The Journal of Rheumatology, Volume 22, 1995

CONTENT INDEX

Pages 1-2444 and Supplement 43

VOLUME 22: NO. 1

JANUARY 1995

Editorials

Role of the Rheumatologist in 1995: Leadership
S.H. Roth 1

Photochemotherapy of RA — Will This be a New Therapy? *H.F. Haberman* 3

Calciphylaxis, Calcinosis and Calcergy — Separate but not Equal *J.M. Bargman* 5

Articles

Peripheral Blood and SF Mononuclear Cell Phenotypes in Lentivirus Induced Arthritis
M.J. Wilkerson, W.C. Davis, W.P. Cheevers 8

Localization of the αv Subfamily of Integrins and Their Putative Ligands in Synovial Lining Cell Layer *L. Nikkari, K. Haapasalmi, H. Aho, et al* 16

Terminal Complement Pathway Activation and Low Lysis Inhibitors in RA SF
K. Høgåsen, T.E. Molines, M. Harboe, O. Götze, H. Berner Hammer, M. Oppermann 24

A Pilot Study of the Effect of Oral 8-Methoxypsoralen and Intraarticular UV Light on Rheumatoid Synovitis
T.J. Laing, R.W. Ike, C.E.M. Griffiths, et al 29

Antimalarial Drug Induced Decrease in Creatinine Clearance *R.B.M. Landewé, M.S.C. Vergouwen, H.S. Goei The, A.W.A.M. van Rijthoven, F.C. Breedveld, B.A.C. Dijkmans* 34

Pharmacokinetics and Renal Function in Patients with RA Receiving a Standard Dose of Oral Weekly MTX: Association with Significant Decreases in Creatinine Clearance and Renal Clearance of the Drug After 6 Months of Therapy
J.M. Kremer, G.F. Petrillo, R.A. Hamilton 38

Examination of Pharmacokinetic Variables in a Cohort of Patients with RA Beginning Therapy with MTX Compared with a Cohort Receiving the Drug for a Mean of 81 Months
J.M. Kremer, G.F. Petrillo, R.A. Hamilton 41

Measurement of Clinical Activity of SLE and Laboratory Abnormalities: A 12-month Prospective Study *A. Zonana-Nacach, M. Salas, M. de Lourdes Sánchez, A. Camargo-Corone, C. Bravo-Gatica, G. Mintz* 45

Acute Effect of Topical Minoxidil on Digital Blood Flow in Patients with RP
S.E. Whitmore, F.M. Wigley, R.A. Wise 50

aPL in a Healthy Population: Methods for Estimating the Distribution
J. Verrier Jones, B.J. Eastwood, E. Jones, H. James, M. Mansour 55

Review: aPL and the Lung
R.A. Asherson, R. Cervera 62

Clinical Relevance and HLA Association of Autoantibodies Against the Nucleolus Organizer Region (NOR-90) *T. Dick, R. Mierau, R. Sternfeld, E.M. Weiner, E. Genth* 67

Autoantibodies in Parry-Romberg Syndrome: A Serologic Study of 14 Patients
I. Garcia de la Torre, J. Castello-Sendra, T. Esgleyes-Ribot, G. Martinez-Bonilla, J. Guerrerosantos, M.J. Fritzler 73

Prognostic Factors in Systemic Necrotizing Vasculitis of the PAN Group — A Review of 45 Cases *P.R. Fortin, M.G. Larson, A.K. Watters, C.A. Yeadon, D. Choquette, J.M. Esdaile* 78

Immunogenetic Analysis of 5 Families with Multicase Occurrence of Scleroderma and/or Related Variants *N. Manolios, H. Dunckley, T. Chivers, P. Brooks, H. Englert* 85

The Use of Clinical Characteristics to Predict the Results of Temporal Artery Biopsy Among Patients with Suspected GCA
S.E. Gabriel, W.M. O'Fallon, A.A. Achkar, J.T. Lie, G.G. Hunder 93

Prevalence and Characteristics of Anti-56K/Annexin XI Autoantibodies in Systemic Autoimmune Diseases
Y. Misaki, W.J. van Venrooij, G.J.M. Pruijn 97

Fatty Acids and Antioxidant Micronutrients in PsA *M. Azzini, D. Girelli, O. Olivieri, et al* 103

Experimental Assessment by High Frequency Ultrasound of Articular Cartilage Thickness and OA Changes *S.L. Myers, K. Dines, D.A. Brandt, K.D. Brandt, M.E. Albrecht* 109

CPPD Crystal Dissolution by Alkaline Phosphatase: Interaction of Alkaline Phosphatase on CPPD Crystals *T. Shinozaki, Y. Xu, T.F. Cruz, K.P.H. Pritzker* 117

Immunohistochemical Changes in Synovial Tissue During the Course of Adjuvant Arthritis
C. Pelegrí, A. Franch, C. Castellote, M. Castell 124

An Association of FM with Primary SS: A Prospective Study of 72 Patients
R.P. Bonafede, D.C. Downey, R.M. Bennett 133

Information Processing in Primary FM, Major Depression and Healthy Controls
H. Sletvold, T.C. Stiles, N.I. Landro 137

Muscle Fatigue in Early FM
A.M. Mengshoel, E. Saugen, O. Forre, N.K. Vollestad 143

Aspects of FM in the General Population: Sex, Pain Threshold, and FM Symptoms
F. Wolfe, K. Ross, J. Anderson, I.J. Russell 151

Movement Disorders in the EMS: Tremor, Myoclonus, and Myokymia
L.D. Kaufman, M.A. Kaufman, L.B. Krupp 157

Workshop Report: The EMS — Guidelines for Patient Care *P.A. Hertzman, L.D. Kaufman, L.A. Love, et al* 161

Meeting Report: Mexican Society of Rheumatology *J. Baum* 164

Pediatric Rheumatology

Hip Contracture as the Presenting Sign in Children with HLA-B27 Arthritis
S. Bowyer 165

Radiologic Features of Systemic Onset JRA
B.A. Lang, R. Schneider, B.J. Reilly, E.D. Silverman, R.M. Laxer 168

Case Reports

A Prolonged Use of GCSF in Felty's Syndrome
K.E. Graham, G.O. Coodley 174

SLE: Calciphylaxis Induced Cardiomyopathy
D. MacLean, E. Brahn 177

Cardiac Tamponade: An Unusual Feature of Adult Onset Still's Disease
K.G. Moder, T.D. Miller, G.L. Allen 180

Monomelic Hypertrophic Osteoarthropathy Secondary to Aortic Prosthesis Infection
M.V. Hernández, J.A. del Olmo, C. Orellana, C.A. Mestres, J. Muñoz-Gómez 183

Correspondence

Interrelationships of Outcome Measures and Process Variables in Early RA *J.G. Jones* 186
Reply *M.A. van Leeuwen* 186

Origin of aPL Syndromes *R.M. Lewkonia* 186
Reply *J.T. Lie* 187

Prostatitis Revealing Wegener's Granulomatosis
D. Le Thi Huong, T. Papo, P.M. Lugagne, F. Richard, P. Godeau 187
Reply *G.D. Middleton, J.J. Cush* 187

Focal Myositis *D.R. Finger, G.J. Dennis* 188
Reply *F. Flaisler, B. Combe* 189

Letters

SLE — Disease Activity, Severity, Treatment, and Costs *A.E. Clarke, J.M. Esdaile* 189

Another Anaphylactic Reaction After Gold (Aurothiomalate) Injection
D.H. Neustadt 190

Lichen Planus in Patients with RA Treated with Sulfasalazine
S. Kaplan, E. McDonald, C. Marino 191

Notices 192

VOLUME 22: NO. 2

FEBRUARY 1995

Editorials

Imperfect Indications of Disease Activity in Juvenile Dermatomyositis
L.M. Pachman 193

Silicone Breast Implants and CTD: An Ongoing Controversy
L. Martin 198

Detecting and Measuring Disease Modification in OA. The Need for Standardized Methodology
P. Dieppe, K.D. Brandt, S. Lohmander, D.T. Felson 201

The Economic Burden of Musculoskeletal Disorders in Canada is Similar to that for Cancer, and May Be Higher *E.M. Badley* 204

Articles

Immunologic Assessment During Treatment of RA with Anti-CD5 Immunoconjugate
G.W. Cannon, D.A. Marble, M.M. Griffiths, et al .. 207

Upper Limb Lymphatic Function in Inflammatory Arthritis *P.D.W. Kiely, J.M. Bland, A.E.A. Joseph, P.S. Mortimer, B.E. Bourke* 214

The Effect of Age and Renal Function on the Efficacy and Toxicity of MTX in RA
RA Clinical Trial Archive Group 218

IL-6 and Soluble IL-2 Receptor Levels in Patients with RA Treated with Low Dose Oral MTX
A. Crilly, I.B. McInness, A.G. McDonald, J. Watson, H.A. Capell, R. Madhok 224

Familial aCL and C4 Deficiency Genotypes that Coexist with MHC DQB1 Risk Factors
W.A. Wilson, E. Scopelitis, J.P. Michalski, et al 227

The Journal of Rheumatology, Volume 22, 1995

CONTENT INDEX

Pages 1-2444 and Supplement 43

VOLUME 22: NO. 1

JANUARY 1995

Editorials

Role of the Rheumatologist in 1995: Leadership
S.H. Roth 1

Photochemotherapy of RA — Will This be a New Therapy? *H.F. Haberman* 3

Calciphylaxis, Calcinosis and Calcergy — Separate but not Equal *J.M. Bargman* 5

Articles

Peripheral Blood and SF Mononuclear Cell Phenotypes in Lentivirus Induced Arthritis
M.J. Wilkerson, W.C. Davis, W.P. Cheevers 8

Localization of the αv Subfamily of Integrins and Their Putative Ligands in Synovial Lining Cell Layer *L. Nikkari, K. Haapasalmi, H. Aho, et al* 16

Terminal Complement Pathway Activation and Low Lysis Inhibitors in RA SF
K. Høgåsen, T.E. Molines, M. Harboe, O. Götze, H. Berner Hammer, M. Oppermann 24

A Pilot Study of the Effect of Oral 8-Methoxypsoralen and Intraarticular UV Light on Rheumatoid Synovitis
T.J. Laing, R.W. Ike, C.E.M. Griffiths, et al 29

Antimalarial Drug Induced Decrease in Creatinine Clearance *R.B.M. Landewé, M.S.C. Vergouwen, H.S. Goei The, A.W.A.M. van Rijthoven, F.C. Breedveld, B.A.C. Dijkmans* 34

Pharmacokinetics and Renal Function in Patients with RA Receiving a Standard Dose of Oral Weekly MTX: Association with Significant Decreases in Creatinine Clearance and Renal Clearance of the Drug After 6 Months of Therapy
J.M. Kremer, G.F. Petrillo, R.A. Hamilton 38

Examination of Pharmacokinetic Variables in a Cohort of Patients with RA Beginning Therapy with MTX Compared with a Cohort Receiving the Drug for a Mean of 81 Months
J.M. Kremer, G.F. Petrillo, R.A. Hamilton 41

Measurement of Clinical Activity of SLE and Laboratory Abnormalities: A 12-month Prospective Study *A. Zonana-Nacach, M. Salas, M. de Lourdes Sánchez, A. Camargo-Corone, C. Bravo-Gatica, G. Mintz* 45

Acute Effect of Topical Minoxidil on Digital Blood Flow in Patients with RP
S.E. Whitmore, F.M. Wigley, R.A. Wise 50

aPL in a Healthy Population: Methods for Estimating the Distribution
J. Verrier Jones, B.J. Eastwood, E. Jones, H. James, M. Mansour 55

Review: aPL and the Lung
R.A. Asherson, R. Cervera 62

Clinical Relevance and HLA Association of Autoantibodies Against the Nucleolus Organizer Region (NOR-90) *T. Dick, R. Mierau, R. Sternfeld, E.M. Weiner, E. Genth* 67

Autoantibodies in Parry-Romberg Syndrome: A Serologic Study of 14 Patients
I. Garcia de la Torre, J. Castello-Sendra, T. Esgleyes-Ribot, G. Martinez-Bonilla, J. Guerrerosantos, M.J. Fritzler 73

Prognostic Factors in Systemic Necrotizing Vasculitis of the PAN Group — A Review of 45 Cases *P.R. Fortin, M.G. Larson, A.K. Watters, C.A. Yeadon, D. Choquette, J.M. Esdaile* 78

Immunogenetic Analysis of 5 Families with Multicase Occurrence of Scleroderma and/or Related Variants *N. Manolios, H. Dunckley, T. Chivers, P. Brooks, H. Englert* 85

The Use of Clinical Characteristics to Predict the Results of Temporal Artery Biopsy Among Patients with Suspected GCA
S.E. Gabriel, W.M. O'Fallon, A.A. Achkar, J.T. Lie, G.G. Hunder 93

Prevalence and Characteristics of Anti-56K/Annexin XI Autoantibodies in Systemic Autoimmune Diseases
Y. Misaki, W.J. van Venrooij, G.J.M. Pruijn 97

Fatty Acids and Antioxidant Micronutrients in PsA *M. Azzini, D. Girelli, O. Olivieri, et al* 103

Experimental Assessment by High Frequency Ultrasound of Articular Cartilage Thickness and OA Changes *S.L. Myers, K. Dines, D.A. Brandt, K.D. Brandt, M.E. Albrecht* 109

CPPD Crystal Dissolution by Alkaline Phosphatase: Interaction of Alkaline Phosphatase on CPPD Crystals *T. Shinozaki, Y. Xu, T.F. Cruz, K.P.H. Pritzker* 117

Immunohistochemical Changes in Synovial Tissue During the Course of Adjuvant Arthritis
C. Pelegrí, A. Franch, C. Castellote, M. Castell 124

An Association of FM with Primary SS: A Prospective Study of 72 Patients
R.P. Bonafede, D.C. Downey, R.M. Bennett 133

Information Processing in Primary FM, Major Depression and Healthy Controls
H. Sletvold, T.C. Stiles, N.I. Landro 137

Muscle Fatigue in Early FM
A.M. Mengshoel, E. Saugen, O. Forre, N.K. Vollestad 143

Aspects of FM in the General Population: Sex, Pain Threshold, and FM Symptoms
F. Wolfe, K. Ross, J. Anderson, I.J. Russell 151

Movement Disorders in the EMS: Tremor, Myoclonus, and Myokymia
L.D. Kaufman, M.A. Kaufman, L.B. Krupp 157

Workshop Report: The EMS — Guidelines for Patient Care *P.A. Hertzman, L.D. Kaufman, L.A. Love, et al* 161

Meeting Report: Mexican Society of Rheumatology *J. Baum* 164

Pediatric Rheumatology

Hip Contracture as the Presenting Sign in Children with HLA-B27 Arthritis
S. Bowyer 165

Radiologic Features of Systemic Onset JRA
B.A. Lang, R. Schneider, B.J. Reilly, E.D. Silverman, R.M. Laxer 168

Case Reports

A Prolonged Use of GCSF in Felty's Syndrome
K.E. Graham, G.O. Coodley 174

SLE: Calciphylaxis Induced Cardiomyopathy
D. MacLean, E. Brahn 177

Cardiac Tamponade: An Unusual Feature of Adult Onset Still's Disease
K.G. Moder, T.D. Miller, G.L. Allen 180

Monomelic Hypertrophic Osteoarthropathy Secondary to Aortic Prosthesis Infection
M.V. Hernández, J.A. del Olmo, C. Orellana, C.A. Mestres, J. Muñoz-Gómez 183

Correspondence

Interrelationships of Outcome Measures and Process Variables in Early RA *J.G. Jones* 186
Reply *M.A. van Leeuwen* 186

Origin of aPL Syndromes *R.M. Lewkonia* 186
Reply *J.T. Lie* 187

Prostatitis Revealing Wegener's Granulomatosis
D. Le Thi Huong, T. Papo, P.M. Lugagne, F. Richard, P. Godeau 187
Reply *G.D. Middleton, J.J. Cush* 187

Focal Myositis *D.R. Finger, G.J. Dennis* 188
Reply *F. Flaisler, B. Combe* 189

Letters

SLE — Disease Activity, Severity, Treatment, and Costs *A.E. Clarke, J.M. Esdaile* 189

Another Anaphylactic Reaction After Gold (Aurothiomalate) Injection
D.H. Neustadt 190

Lichen Planus in Patients with RA Treated with Sulfasalazine
S. Kaplan, E. McDonald, C. Marino 191

Notices 192

VOLUME 22: NO. 2

FEBRUARY 1995

Editorials

Imperfect Indications of Disease Activity in Juvenile Dermatomyositis
L.M. Pachman 193

Silicone Breast Implants and CTD: An Ongoing Controversy
L. Martin 198

Detecting and Measuring Disease Modification in OA. The Need for Standardized Methodology
P. Dieppe, K.D. Brandt, S. Lohmander, D.T. Felson 201

The Economic Burden of Musculoskeletal Disorders in Canada is Similar to that for Cancer, and May Be Higher *E.M. Badley* 204

Articles

Immunologic Assessment During Treatment of RA with Anti-CD5 Immunoconjugate
G.W. Cannon, D.A. Marble, M.M. Griffiths, et al .. 207

Upper Limb Lymphatic Function in Inflammatory Arthritis *P.D.W. Kiely, J.M. Bland, A.E.A. Joseph, P.S. Mortimer, B.E. Bourke* 214

The Effect of Age and Renal Function on the Efficacy and Toxicity of MTX in RA
RA Clinical Trial Archive Group 218

IL-6 and Soluble IL-2 Receptor Levels in Patients with RA Treated with Low Dose Oral MTX
A. Crilly, I.B. McInness, A.G. McDonald, J. Watson, H.A. Capell, R. Madhok 224

Familial aCL and C4 Deficiency Genotypes that Coexist with MHC DQB1 Risk Factors
W.A. Wilson, E. Scopelitis, J.P. Michalski, et al 227

Serum ANA in Women with Silicone Breast Implants *M.L. Cuéllar, E. Scopelitis, S.A. Tenenbaum, et al* 236

Longterm MTX Therapy in PsA: Clinical and Radiological Outcome *M. Abu-Shakra, D.D. Gladman, J.C. Thorne, J. Long, J. Gough, V.T. Farewell* 241

Assessment of 2 Systems of SpA Diagnostic and Classification Criteria (Amor and ESSG) by a Spanish Multicenter Study *E. Collantes-Estevez, A. Cisnal del Mazo, E. Muñoz-Gomariz* 246

Change in the Epidemiology of Reiter's Syndrome (Reactive Arthritis) in the Post-AIDS Era? An Analysis of Cases Appearing in the Greek Army *A. Iliopoulos, D. Karras, D. Ioakimidis, et al* 252

Type II Procollagen Gene (COL2A1) Mutation in Exon 11 Associated with Spondyloepiphyseal Dysplasia, Tall Stature, and Precocious OA *J.F. Bleasel, A. Bisagni-Faure, D. Holderbaum, et al* 255

Rapid and Sustained Rise in the Serum Level of Hyaluronan after ACL Transection in the Dog Knee Joint *D-H. Manicourt, O. Cornu, M.E. Lenz, A. Dreutz-van Egeren, E.J-M.A. Thonar* 262

FM versus RA: A Longitudinal Comparison of the Quality of Life *J.E. Martinez, M.B. Ferraz, E.I. Sato, E. Atra* 270

Detection of IGF I and II in Synovial Tissue Specimens of Patients with RA and OA by *In Situ* Hybridization *G.M. Keyszer, A.H. Heer, J. Kriegsmann, et al* 275

12-Year Followup Study of Epidemic Spanish Toxic Oil Syndrome *L.D. Kaufman, M.I. Martinez, J.M. Serrano, J.J. Gomez-Reino* . 282

Pediatric Rheumatology

1994 Abe Shore Memorial Lecture: Impending Discoveries in Pediatric Rheumatology *A.M. Rosenberg* 289

The Natural History of JCA: A Population Based Cohort Study. I. Onset and Disease Process *B. Andersson Gäre, A. Fasth* 295

The Natural History of JCA: A Population Based Cohort Study. II. Outcome *B. Andersson Gäre, A. Fasth* 308

vWF in Juvenile Dermatomyositis *B.J. Bloom, L.B. Tucker, L.C. Miller, J.G. Schaller* 320

Measuring Disability in Juvenile Dermatomyositis: Validity of the Childhood Health Assessment Questionnaire *B.M. Feldman, A. Ayling-Campos, L. Luy, D. Stevens, E.D. Silverman, R.M. Laxer* 326

Aortic Regurgitation at Diagnosis of HLA-B27 Associated SpA *J. Simpson, M.S. Borzy, G.M. Silberbach* 332

Case Reports

Leukoencephalopathy in a Patient Taking Low Dose Oral MTX Therapy for RA *S.G. Worthley, J.D. McNeil* 335

Tophus-Like Cholesterol Nodules in 2 Patients with Rheumatoid Disease *P.J.H. Lanting, J. van Baarlen, J.J.M. Festen, M.A.F.J. van de Laar* 338

Normal Pressure Hydrocephalus Associated with RA Responding to Prednisone *H.M. Markusse, P.H.E. Hilkens, M.J. van den Bent, C.J. Vecht* 342

Lupus Panniculitis (Profundus) Involving the Breast *N.W. Holland, K. McKnight, V.R. Challa, C.A. Agudelo* 344

Coexistence of HIV Infection and SLE *J.F. Molina, G. Citera, D. Rosler, et al* 347

PAN-Like Vasculitis in HIV Infection *B.S. Libman, F.P. Quismorio, Jr., M.M. Stimmler* 351

Eosinophilic Fasciitis with Occlusive Vasculitis and Gangrene of the Finger *Y.W. Song, H.A. Kim, K.Y. Song* 356

GCA Involving the Facial Artery *A.A. Achkar, J.T. Lie, S.E. Gabriel, G.G. Hunder* 360

Bilateral Lower Limb Gangrene and Stroke as Initial Manifestations of Systemic GCA in an African-American *J.T. Lie, D.A. Tokugawa* 363

Simultaneous Clinical Manifestations of Malignancy and Giant Cell Temporal Arteritis in a Young Woman *J.T. Lie* 367

Correspondence

Upper Limb Lymphedema in Inflammatory Arthropathy *C. Salvarani* 370

Reply *P.D.W. Kiely, A.E.A. Joseph, P.S. Mortimer, B.E. Bourke* 370

Cystic Distension of the Acromioclavicular Joint in CPPD Crystal Deposition Disease *J.C. Gerster* 371

Reply *G-S. Huang, D. Resnick* 371

Trauma and Fibromyalgia: Does the Punishment Fit the Crime? *P.J. Rush, A. Ameis* 372

Reply *R.M. Bennett* 373

Letters

Difficulty in Detecting Reperfusion Injury Increment in Oxidative Stress among Patients with Primary RP and SSc *A.L. Herrick, F. Rieley, J.M. Braganza, M.I.V. Jayson* 374

RS$_3$PE Syndrome Associated with Advanced AS *A.C. Koeger, M. Karmochkine, P. Chaïbi* 375

Absence of ANCA in FMF *M. Rozenbaum, I. Rosner, Y. Naschitz, T.D. Golan* 376

Book Reviews

Arthritis Surgery 377

Acute Rheumatic and Immunological Diseases. Management of the Critically Ill Patient 377

Notices 377

VOLUME 22, SUPPLEMENT 43 **FEBRUARY 1995**

Osteoarthritis
Challenges for the 21st Century
Val-David, Quebec, Canada
October 4–7, 1994

Introduction *J-P. Pelletier* 1

ILAR and OA *R. Arinoviche* 2

SECTION I: EPIDEMIOLOGY: MODIFIABLE RISK FACTORS

Exercise: A Cause of OA *N.E. Lane* 3

Weight and OA *D.T. Felson* 7

Occupational Activity and the Risk of OA *C.Cooper* 10

OA and Articular Cartilage Use, Disuse, and Abuse: Experimental Studies *J.A. Buckwalter* 13

SECTION II: SOCIOECONOMIC IMPACT

The Contribution of OA to Disability: Preliminary Data from the Women's Health and Aging Study *M.C. Hochberg, J. Kasper, J. Williamson, A. Skinner, L.P. Fried* 16

The Effect of OA on Disability and Health Care Use in Canada *E.M. Badley* 19

Costs of OA: Estimates from a Geographically Defined Population *S.E. Gabriel, C.S. Crowson, W.M. O'Fallon* 23

Patterns of Prescription of NSAID and Gastroprotective Agents *J. LeLorier* 26

SECTION III: HERITABLE FORMS OF OSTEOARTHRITIS

Heritable Diseases of Cartilage Caused by Mutations in Collagen Genes *C.J. Williams, S.A. Jimenez* 28

Clinical Correlations of OA Associated with Single Base Mutations in the Type II Procollagen Gene *J.F. Bleasel, D. Holderbaum, T.M. Haqqi, R.W. Moskowitz* 34

Recurrent Substitutions of Arginine 789 by Cysteine in Pro-α1(II) Collagen Chains Produce Spondyloepiphyseal Dysplasia Congenita *D. Chan, J.F. Rogers, J.F. Bateman, W.G. Cole* 37

Transgenic Mouse Models in Studies of Skeletal Disorders *O. Jacenko, B.R. Olsen* 39

SECTION IV: CLASSIFICATION CRITERIA

The Classification of OA *R.D. Altman* 42

Classification Criteria: Methodological Considerations and Results from a 12 Year Followup Study in the General Population *J.S.A.G. Schouten, H.A. Valkenburg* 44

Radiographic Criteria for Epidemiologic Studies of OA *D.J. Hart, T.D. Spector* 46

Outcome Measurement in OA Clinical Trials *N. Bellamy* 49

SECTION V: IMAGING

Magnetic Resonance Imaging of Articular Cartilage: the State of the Art *M.P. Recht, D. Resnick* 52

Updated OA Reference Standard *W.A. Murphy, Jr., R.D. Altman* 56

MRI: Biophysical Basis for the Proton MR Appearance of Normal Cartilage; Other MR Techniques *J.B. Kneeland* 60

New Approaches to Targeting Arthritis with Radiopharmaceuticals *T.F. Budinger, S.E. Taylor* 62

SECTION VI: DISEASE MARKERS

Serum Markers of Systemic Disease Processes in OA *E.J-M.A. Thonar, K. Masuda, M.E. Lenz, H.J. Hauselmann, K.E. Kuettner, D.H. Manicourt* 68

Matrix Proteins: Potentials as Body Fluid Markers of Changes in the Metabolism of Cartilage and Bone in Arthritis *T. Saxne, D. Heinegård* 71

The Release of Aggrecan Fragments into SF after Joint Injury and in OA *L.S. Lohmander* 75

Significance of the Levels of Carboxy Terminal Type II Procollagen Peptide, Chondroitin Sulfate Isomers, TIMP, and Metalloproteinases in OA Joint Fluid *M. Shinmei, T. Kobayashi, Y. Yoshihara, A. Samura* 78

SECTION VII: PATHOPHYSIOLOGY

A. Cartilage Structure

Collagen Structure and Cartilage Matrix Integrity *D.R. Eyre, J-J. Wu* 82

The Structure of Aggrecan and its Turnover in Cartilage *T.E. Hardingham, A.J. Fosang* 86

Synthesis of Aggrecan Core Proteins by Human Cartilage and Chondrocytes *In Vitro*
C.J. Malemud, V.M. Goldberg 91

Expression of Proteoglycans and Collagen in the Hypertrophic Phase of Experimental OA *M.E. Adams, J.R. Matyas, D. Huang, G.S. Dourado* 94

B. Cartilage Degradation Factors

Bone Density and OA
J. Dequeker, L. Mokassa, J. Aerssens 98

Synovial Inflammation, Crystals, and OA
H.R. Schumacher, Jr. 101

Cytokine Regulation of Chondrocyte Functions
M. Lotz, F.J. Blanco, J. von Kempis, J. Dudler, R. Maier, P.M. Villiger, Y. Geng 104

Synthesis of Metalloproteases and IL-6 in Human OA Synovial Membrane is an IL-1 Mediated Process
J-P. Pelletier, R. McCollum, J-M. Cloutier, J. Mariel-Pelletier 109

C. Regulatory Factors of Cartilage Metabolism

Modulation of $TNFsR_{55}$ and $TNFsR_{75}$ by Cytokines and Growth Factors in Human Synovial Fibroblasts
J. Martel-Pelletier, F. Mineau, F.C. Jolicoeur, J-P. Pelletier 115

Plasminogen Activator and Receptor in OA
U. Serni, G. Fibbi, E. Anichini, et al 120

Coordinate Regulation of Matrix Metalloproteases and TIMP Expression in Human Synovial Fibroblasts
J.A. DiBattista, J-P. Pelletier, M. Zafarullah, N. Fujimoto, K. Obata, J. Martel-Pelletier 123

Growth Factor Actions on Articular Cartilage
S.B. Trippel 129

Gangliosides from Normal and OA Joints
M.J. David, M.P. Hellio, J. Portoukalian, M. Richard, J. Caton, E. Vignon 133

SECTION VIII: THERAPEUTIC: EXPERIMENTAL AND CLINICAL TREATMENT

Therapeutic Targets in OA
P. Dieppe 136

Transgenic Mice with Deficiencies in Cartilage Collagens: Possible Models for Gene Therapy
B. de Crombrugghe, P. Katzenstein, K. Mukhopadhyay, et al 140

Growth Factors in Experimental OA: Transforming Growth Factor ß Pathogenic?
W.B. van den Berg 143

Cartilage Metalloproteases in Disuse Atrophy
R.M. Grumbles, D.S. Howell, G.A. Howard, et al 146

Modification by Oral Doxycycline Administration of Articular Cartilage Breakdown in OA
K.D. Brandt 149

Chondrocytes and Antirheumatic Drugs
R.X. Raiss, A. Karbowski, T. Aigner, R. Schleyerbach 152

Hyaluronic Acid (Hyaluronan) in Experimental OA
P. Ghosh, C. Holbert, R. Read, S. Armstrong 155

Effects of Hyaluronic Acid on the Release of Cartilage Matrix Proteoglycan and Fibronectin from the Cell Matrix Layer of Chondrocyte Cultures: Interactions between HA and Chondroitin Sulfate GAG
Y. Kato, Y. Mukudai, A. Okimura, A. Shimazu, S. Nakamura 158

CONCLUSION

Concluding Remarks
J. Martel-Pelletier 160

VOLUME 22: NO. 3 **MARCH 1995**

Editorials

"A Rose by Any Other Name ..."
A. Gibofsky, M. McCarty, G. Veasy, J.B. Zabriskie 379

Soluble TNF Receptors in Arthritis
A.P. Cope, R.N. Maini 382

Articles

Activated Gelatinase-B (MMP-9) and Urokinase-Type Plasminogen Activator in SF of Patients with Arthritis. Correlation with Clinical and Experimental Variables of Inflammation
P. Koolwijk, A.M.M. Miltenburg, M.G.M. van Erck, et al 385

T Cell Receptor Distribution in Rheumatoid Synovial Follicles *A. Travaglio-Encinoza, I. Chaouni, H. Dersimonian, et al* 394

Synthesis and Degradation of Hyaluronate by Synovia from Patients with RA *P. Schenck, S. Schneider, R. Miehlke, P. Prehm* 400

Soluble Receptors for TNF and IL-2 in Serum and SF of Patients with RA, ReA, and OA
G. Steiner, A. Studnicka-Benke, G. Witzmann, E. Höfler, J. Smolen 406

Characterization and Regulation of CD69 Expression on RA SF T Cells
B. Fernández-Gutiérrez, C. Hernández-García, A.A. Bañares, J.A. Jover 413

Expression of Estrogen Receptor Related Protein (p29) and Estradiol Binding in Human Arthritic Synovium
T. Ushiyama, K. Inoue, J. Nishioka 421

Isolated Microscopic Hematuria in Patients with RA Compared with Age and Sex Matched Controls. A Population Based Study
M. Korpela, J. Mustonen, A. Heikkinen, H. Helin, A. Pasternack 427

The Correlates of Health Perceptions in RA
A.A. Guccione, J.J. Anderson, J.M. Anthony, R.F. Meenan 432

Osteoporosis in RA: Findings in the Metacarpal, Spine, and Hip and a Study of the Determinants of Both Localized and Generalized Osteopenia
T.E. Towheed, D. Brouillard, E. Yendt, T. Anastassiades 440

Effects of Tenidap on Leukocyte-Endothelial Cell Adhesion in Mesenteric Venules
J. Panés, J.M. Russell, R.E. Wolf, J.L. Wallace, D.N. Granger 444

Dietary Treatment of Hyperlipidemia in Patients with SLE *M. Hearth-Holmes, B.A. Baethge, L. Broadwell, R.E. Wolf* 450

Dyspnea in Ambulatory Patients with SLE: Prevalence, Severity, and Correlation with Incremental Exercise Testing *D.B. Hellmann, C.M. Kirsch, Q. Whiting-O'Keefe, et al* 455

A Pilot Study of Zileuton, a Novel Selective 5-Lipoxygenase Inhibitor, in Patients with SLE
K.V. Hackshaw, Y. Shi, S.R. Brandwein, K. Jones, J.Y. Westcott 462

Limited SSc is Associated with Increased Prevalence of Macrovascular Disease
P. Youssef, T. Brama, H. Englert, J. Bertouch 469

Muscle Strength Assessment in Polymyositis and Dermatomyositis: Evaluation of the Reliability and Clinical Use of a New, Quantitative, Easily Applicable Method *T. Stoll, P. Brühlmann, G. Stucki, B. Seifert, B.A. Michel* 473

Lack of Sensitivity of Indium-111 Mixed Leukocyte Scans for Active Disease in Takayasu's Arteritis *C.C. Chen, G.S. Kerr, C.S. Carter, et al* 478

Variability in the Attainment of Functional Milestones during the Acute Care Admission after Total Joint Replacement *K.H. Zavadak, K.R. Gibson, D.M. Whitley, P. Britz, C.K. Kwoh* ... 482

The Association of Body Weight, Body Fatness, and Body Fat Distribution with OA of the Knee: Data from the Baltimore Longitudinal Study of Aging *M.C. Hochberg, M. Lethbridge-Cejku, W.W. Scott Jr., R. Reichle, C.C. Plato, J.D. Tobin* 488

Does Renal Impairment Protect from Gout?
P. Youssef, T. Brama, H. York, P. Pickard, P. Stewart, N. McGill 494

Visceral Larva Migrans Mimicking Rheumatic Diseases *A. Kraus, X. Valencia, A.R. Cabral, G. de la Vega* 497

High Prevalence of Undetected Carpal Tunnel Syndrome in Patients with Fibromyalgia Syndrome
F. Perez-Ruiz, M. Calabozo, A. Alonso-Ruiz, A. Herrero, E. Ruiz-Lucea, I. Otermin 501

MSK Disability, Employment, and Rehabilitation *K.V. Straaton, R. Maisiak, J.M. Wrigley, P.R. Fine* 505

The Relationship Between Self-Reported Pain and Sociodemographic Variables, Anxiety, and Depressive Symptoms in RA *L.M. Smedstad, P. Vaglum, T.K. Kvien, T. Moum* 514

Pediatric Rheumatology

Autoantibodies to the Nucleolar Organizer Antigen NOR-90 in Children with Systemic Rheumatic Diseases *M.J. Fritzler, C.A. von Muhlen, S.M. Toffoli, H.L. Staub, R.M. Laxer* 521

Fibromyalgia Syndrome in Children — An Outcome Study *D. Buskila, L. Neumann, E. Hershman, A. Gedalia, J. Press, S. Sukenik* 525

Poststreptococcal ReA in Children: A Potential Predecessor of Rheumatic Heart Disease
R.Y. Moon, M.G. Greene, G.T. Rehe, I.M. Katona 529

Isolated Congenital Complete Heart Block: Longterm Outcome of Mothers, Maternal Antibody Specificity, and Immunogenetic Background *A. Brucato, F. Franceschini, M. Gasparini, et al* 533

Isolated Congenital Complete Heart Block: Longterm Outcome of Children and Immunogenetic Study *A. Brucato, M. Gasparini, G. Vignati, et al* 541

Anorexia Nervosa Presenting as a Peripheral Vasculopathy in an Adolescent Male
J.J. Miller III, S. Ammerman, B.R. Parker 544

Atlantoaxial Subluxation in Children with SEA Syndrome: 2 Case Reports and a Review of the Literature
H.E. Foster, R.A. Cairns, R.H. Burnell, et al 548

Case Reports

Subsynovial Vascular Abnormality Causing Recurrent Hemarthrosis in an 84-Year-Old Man
T. Blyth, J. Hunter, R. Madhok, R. Vallance 552

Pulmonary Capillaritis and Alveolar Hemorrhage Associated with APS *R.S. Crausman, G.A. Achenbach, W.T. Pluss, R.F. O'Brien, C.A. Jennings* 554

SSc *Sine* Scleroderma: An Unusual Presentation in Scleroderma Renal Crisis *J.F. Molina, J-M. Anaya, G.E. Cabrera, E. Hoffman, L.R. Espinoza* 557

Milwaukee Shoulder Associated with Primary Hyperparathyroidism *E.J. ter Borg, F. Eggelmijer, P.J.T.M. Jaspers, P.H.Th.J. Slee* 561

Serum Aldolase Level is a Useful Indicator of Disease Activity in EF *M. Fujimoto, S. Sato, H. Ihn, K. Kikuchi, N. Yamada, K. Takehara* 563

GCA Limited to the Prostate *M. Bretal-Laranga, S. Insua-Vilariño, J. Blanco-Rodríguez, M. Caamaño-Freire, A. Mera-Varela, P. Lamas-Cedrón* 566

Correspondence

Treatment of Amyloidosis Secondary to RA
J.Fiter, J-M. Nolla, J. Valverde, D. Roig-Escofet .. 569
Reply *K. Berglund, R. Hultquist, H. Thysell* 569

Prognostic Value of RF in RA
T. Jónsson, H. Valdimarsson 570
Reply *F. Wolfe* 571

Automated Diagnosis and Characterization of Lyme Disease Using Neural Network Analysis *G. Rovetta, G. Bianchi, P. Monteforte, L. Buffrini, G. Ghirardo* ... 571
Reply *M.H. Wener, M.L. Astion* ... 572

Gold Induced Colitis *J.C. Duro, M. Andreu* ... 572
Reply *M. Nisar* ... 573

MSK Disability and Rheumatology *A.S. Russell*...573
Reply *E.M. Badley* ... 573

Hemorrhagic Rupture of the Shoulder *I. Haslock*...574
Reply *D.J. McCarty* ... 574

Letters

Polyglandular Autoimmune Endocrinopathy Following Procainamide Induced Lupus *D.R. Finger, V.J. Bernet, J.J. Doyle* ... 574
Nontyphoidal Salmonella Ovarian Abscess in SLE *E.K. Li, M.G. Cohen* ... 575

IBM Responding to Longterm Chlorambucil Treatment *P.J.H. Jongen, H.J. ter Laak, L.B.A. van de Putte* ... 576
Moraxella Septic Arthritis in an Adult *D.J. McCarty, P.J. Sienkiewicz* ... 578

Book Reviews

Yearbook of Rheumatology 1994 ... 79
Rheumatoid Arthritis — Pathogenesis, Assessment, Outcome, and Treatment ... 579
Notices ... 580

VOLUME 22: NO. 4 **APRIL 1995**

Editorials

Classification and Diagnostic Criteria for PM and DM *T.A. Medsger Jr, C.V. Oddis* ... 581
Is Anti-U1-RNP Autoantibody Positive CTD Genetically Distinct? *R.W. Hoffman, G.C. Sharp* ... 586
FM 20 Years Later: What Have We Really Accomplished? *S. Carette* ... 590
Phosphodiesterase Inhibitor Pentoxifylline: An Antiinflammatory/Immunomodulatory Drug Potentially Useful in Some Rheumatic Diseases *J-M. Anaya, L.R. Espinoza* ... 595

Articles

Peripheral Blood and SF Monocyte Expression of IL-1α and 1β During Active RA *I.C. Chikanza, G. Kingsley, G.S. Panayi* ... 600
HLA-DRB1 Alleles Associated with RA in Southern France. Absence of Extraarticular Disease Despite Expression of the Shared Epitope *J.F. Benazet, D. Reviron, P. Mercier, H. Roux, J. Roudier* ... 607
Minocycline in the Treatment of RA: Relationship of Serum Concentrations to Efficacy *M. Kloppenburg, H. Mattie, N. Douwes, B.A.C. Dijkmans, F.C. Breedveld* ... 611
Salsalate, a Nonacetylated Salicylate, is as Efficacious as Diclofenac in Patients with RA *C. Bombardier, P.M.J. Peloso, C.H. Goldsmith, and the Salsalate-Diclofenac Study Group* ... 617
An Open Study of Pentoxifylline in the Treatment of Severe Refractory RA *W.P. Maksymowych, A. Avina-Zubieta, M.H. Luong, A.S. Russell* ... 625
The Effects of Food on MTX Absorption *R.A. Hamilton, J.M. Kremer* ... 630
Influence of Low Doses of MTX on Superoxide Anion Production by PMNL from Patients with RA *I.M.M. Laurindo, S.B.V. Mello, W. Cossermelli* .. 633
Comparison of Self-Reported Fatigue in RA and Controls *B.L. Belza* ... 639
Association of Social Support and the Spouse's Reaction with Psychological Distress in Male and Female Patients with RA *F.W. Kraaimaat, R.M.J. Van Dam-Baggen. J.W.J. Bijlsma* ... 644
Platelet LDH Activity in SLE: Correlation with aCL *A. Zoli, B. Zappacosta, L. Altomonte, et al* ... 649
Circulating IL-1ß and Soluble IL-2 Receptor: Evaluation as Markers of Disease Activity in Scleroderma *M.R. Patrick, B.W. Kirkham, M. Graham, L.C. Harrison* ... 654
Prevalence of Primary SS in China *N.Z. Zhang, C.S. Shi, Q.P. Yao, et al* ... 659
Limitations of Invasive Modalities in the Diagnosis of Primary Angiitis of the CNS *G.F. Duna, L.H. Calabrese* ... 662
Classification Criteria for PM and DM *K. Tanimoto, K. Nakano, S. Kano, et al* ... 668
Clinical Indicators of Progression in PsA: Multivariate Relative Risk Model *D.D. Gladman, V.T. Farewell, C. Nadeau* ... 675
Gut Inflammation in PsA: A Prospective Ileocolonoscopic Study *L. Schatteman, H. Mielants, E.M. Veys, et al* 680
Comparative Evaluation of Adsorption with *E. coli* on ELISA Tests for Lyme Borreliosis *P.T. Fawcett, C.D. Rose, K.M. Gibney* ... 684
Clinical and Serologic Features of Lyme Borreliosis in Russia *L.P. Ananjeva, I.A. Skripnikova, V.G. Barskova, A.C. Steere* 689
Lyme Arthritis — A Common Manifestation in a Highly Endemic Area in Sweden *J. Berglund, B.U. Hansen, R. Eitrem* ... 695
Chondroitinase ABC Affects the Activity of Intracellular Enzymes in Rabbit Articular Cartilage Chondrocytes *A.M. Nahir, D. Shomrat, M. Awad* ... 702
NSAID Discontinuation in Patients with OA *D. Scholes, A. Stergachis, P.M. Penna, E.H. Normand, P.D. Hansten* ... 708
Protective Effect of Misoprostol on Indomethacin Induced Renal Dysfunction in Elderly Patients *G. Nesher, M. Sonnenblick, T. Dwolatzky* ... 713
Cognitive Behavioral Treatment of FMS: A Followup Assessment *K.P. White, W.R. Nielson* ... 717
FM in Rheumatology Practice: A Survey of Canadian Rheumatologists *K.P. White, M. Speechley, M. Harth, T. Østbye* ... 722
Measuring Shoulder Function with the Shoulder Pain and Disability Index *J.W. Williams Jr, D.R. Holleman Jr, D.L. Simel* . 727
The Impact of MSK Disorders in the Population: Are They Just Aches and Pains? Findings from the 1990 Ontario Health Survey *E.M. Badley, G.K. Webster, I. Rasooly* ... 733
The Dunlop-Dottridge Lecture: AS: Defining Disease Status and the Relationship Between Radiology, Metrology, Disease Activity, Function, and Outcome *A. Calin* ... 740

Pediatric Rheumatology

Epidemiology of JRA in Manitoba, Canada, 1975–92: Cycles in Incidence *K. Oen, M. Fast, B. Postl* ... 745
MSK Disorders in Juvenile Onset MCTD *J. van der Net, H. van der Hoeven, F. Esseveld, E.J. de Wilde, W. Kuis, P.J.M. Helders* ... 751
Interpretation of Immunoblot in Pediatric Lyme Arthritis *S.K. Sood, L.S. Zemel, N.T. Ilowite* ... 758
Pulmonary Fibrosis and Myositis in a Child with Anti-Jo-1 Antibody *J.F. Chmiel, H.U. Wessel, I.N. Targoff, L.M. Pachman* ... 762
Parvovirus B19 Associated Monarthritis in a 5-Year-Old Boy *G. Rivier, J.C. Gerster, P. Terrier, J-J. Cheseaux* ... 766
Fatal Myocardial Infarction in an 8-Year-Old Girl with SLE, RP, and Secondary APS *D.J. Miller, S.A. Maisch, M.D. Perez, D.L. Kearney, T.F. Feltes* ... 768
Bilateral Juvenile Temporal Arteritis *J.T. Lie* ... 774

Case Reports

Progressive Multifocal Leukoencephalopathy in a Patient with RA and PM *E. Rankin, F. Scaravilli* ... 777
CNS Angiopathy Associated with Cocaine Abuse *K. Martin, T. Rogers, A. Kavanaugh* ... 780
Posttraumatic Reflex Sympathetic Dystrophy Anteceding Inverse Psoriasis and PsA *W. Conca, J. Laubenberger, T. Krause, H. Blumberg, H.H. Peter* ... 783
***Listeria monocytogenes* Infection in a Patient Treated with MTX for RA** *M.M. McCambridge, S.A. Vogelgesang, C.F. Ockenhouse* ... 786

Correspondence

The Clinical and Research Significance of the ESR *F. Wolfe* ... 788
Reply *A. Weinstein* ... 788
The Sa System: A Novel Antigen–Antibody System Specific for RA *P. Dagenais* ... 789
Reply *G. Boire, N. Després, H-A. Ménard* ... 789
Extraarticular Manifestations During MTX Therapy for RA *B. Combe, J. Sany* ... 790
Reply *M.B. Urowitz* ... 790
Demography of a Regional Pediatric Rheumatology Patient Population *S.L. Bowyer* ... 790
Reply *B.A. DeNardo, L.B. Tucker, L.C. Miller, I.S. Szer, J.G. Schaller* ... 790
Antineutrophil Cytoplasmic Autoantibodies in SSc with Renal Failure *D. Le Thi Huong, T. Papo, M. Gatfosse, C. Frances, P. Godeau, H. Beaufils* 791
Reply *H. Endo, H. Kondo* ... 792
Myasthenia Gravis and Scleroderma *J. Aróstegui, J.M. Gorordo, J.M. Aramburu* ... 792
Reply *W.I. Swedler* ... 793
Norfloxacin Induced Arthralgia *J.B. Terry* ... 793
Reply *C. Jeandel* ... 794
Sex Ratios and Age at Onset in Probands and Secondary Cases in the Spondyloarthropathies *W.H. James* ... 794
Reply *L.G. Kennedy, A. Calin* ... 794

Letters

Rheumatic Diseases in China *S.H. Roth* ... 795
Listeriosis in Patients with CTD *V. Harisdangkul, S. Songcharoen* ... 796
Gynecomastia Following Low Dose MTX Therapy for RA *D.R. Finger, G.L. Klipple* ... 796
Evidence for Bone Resorption in SSc *G. La Montagna, A. Baruffo, S. Abbadessa, L. Maja, R. Tirri* ... 797
Fatal Disseminated Herpes Simplex II Infection in a Patient with SLE *M.E. Luchi, M. Feldman, W.V. Williams* ... 799
Successful Use of Nitrogen Mustard for Cyclophosphamide Resistant Diffuse Proliferative Glomerulonephritis: Report of 2 Cases *D.J. Wallace, A.L. Metzger* ... 801
Cardiac Valve Replacement and aPL *T.E. Towheed, P.M. Ford, J.M. Pym, S.E. Ford* 802
Propylthiouracil Therapy: An Unusual Cause of Antineutrophil Cytoplasmic Antibody Associated Alveolar Hemorrhage *E. Romas, D.R.F. Henderson, B.W. Kirkham* 803
Notices ... 804

VOLUME 22: NO. 5 — MAY 1995

Editorials

Generation X Rheumatologists
G.T.D. Thomson 805

Measuring Joint Space in Knee OA: Position or Precision? *T. Spector* 807

Cardiac Manifestations in PM/DM: How to Get to the Heart of the Matter *J.T. Lie* 809

Articles

Analysis of Junctional Sequences of T Cell Receptor γ Chain Transcripts in $\gamma\delta$ T Cells from Rheumatoid SF *Y. Kageyama, Y. Koide, S. Miyamoto, K. Kushida, T. Inoue, T.O. Yoshida* 812

Fibronectin Induces Protease Dependent Focal Matrix Depletion and Cell Overlap in Cultured Rheumatoid Synoviocytes *A.Z. Wang, X.R. Zhang, J.C. Wang, G.W. Fisher, H.S. Diamond* 817

What Explains the Variation Among Rheumatologists in Their Use of Prednisone and Second Line Agents for the Treatment of RA? *L.A. Criswell, C.J. Henke* 829

Use of Second Line Drugs for the Treatment of RA in Edmonton, Alberta. Patterns of Prescription and Longterm Effectiveness *M.E. Suarez-Almazor, C.L. Soskolne, L.D. Saunders, A.S. Russell* 836

Lack of Correlation Between Pharmacokinetics and Efficacy of Low Dose MTX in Patients with RA *P. Lafforgue, S. Monjanel-Mouterde, A. Durand, J. Catalin, P-C. Acquaviva* 844

Evaluation of Disease Activity in RA and Other Arthritides Using ^{99m}Tc Labeled Nonspecific Human IgG *F. Jamar, D-H. Manicourt, N. Leners, M. Vanden Berghe, C. Beckers* 850

A Quantitative One-Dimensional MRI Technique in Adjuvant Arthritis: The Assessment of Disease Progression and Indomethacin Efficacy *B. Borah, M.D. Francis, K. Hovancik, J.T. Boyce, N.M. Szeverenyi* 855

Cognitive Dysfunction in SLE is Independent of Active Disease *R.M. Carbotte, S.D. Denburg, J.A. Denburg* 863

Hypergammaglobulinemic Purpura in Systemic Autoimmune Rheumatic Diseases: Predictive Value of Anti-Ro(SSA) and Anti-La(SSB) Antibodies and Treatment with Indomethacin and Hydroxychloroquine *J-L. Senécal, S. Chartier, N. Rothfield* 868

Regressing Microaneurysms in 5 Cases of Hepatitis B Virus Related PAN *C. Darras-Joly, O. Lortholary, P. Cohen, M. Brauner, L. Guillevin* ..876

Sarcoidosis in SSc: Report of 7 Cases *D. Cox, E. Conant, L. Earle, et al* 881

Measuring Health Status in PsA: The Health Assessment Questionnaire and its Modification *M.G. Blackmore, D.D. Gladman, J. Husted, J.A. Long, V.T. Farewell* 886

Sulfasalazine Therapy for PsA: A Double Blind, Placebo Controlled Trial *A.K. Gupta, J.S. Grober, T.A. Hamilton, et al* 894

Late Onset Undifferentiated Seronegative SpA *I. Olivieri, A. Padula, A. Pierro, L. Favaro, G.S. Oranges, S. Ferri* 899

Enhanced IL-8 Secretion in Circulation of Patients with Behçet's Disease *A. Al-Dalaan, S. Al-Sedairy, S. Al-Balaa, et al* 904

A Cost Effectiveness Analysis of Urate Lowering Drugs in Nontophaceous Recurrent Gouty Arthritis *M.B. Ferraz, B. O'Brien* 908

A Multicenter Study of Nabumetone and Diclofenac SR in Patients with OA *N. Bellamy, W.G. Bensen, A. Beaulieu, et al* 915

OA, Bone Density, Postural Stability, and Osteoporotic Fractures: A Population Based Study *G. Jones, T. Nguyen, P.N. Sambrook, S.R. Lord, P.J. Kelly, J.A. Eisman* 921

Differential Expression of the Protooncogene bcl-2 in Normal and Osteoarthritic Human Articular Cartilage *L. Erlacher, R. Maier, R. Ullrich, et al* 926

A Longitudinal Study of the Effect of Spinal Degenerative Disease on Bone Density in the Elderly *G. Jones, T. Nguyen, P.N. Sambrook, P.J. Kelly, J.A. Eisman* 932

Quantitative Microfocal Radiography Detects Changes in OA Knee Joint Space Width in Patients in Placebo Controlled Trial of NSAID Therapy *J.C. Buckland-Wright, D.G. Macfarlane, J.A. Lynch, M.K. Jasani* 937

The Reliability of Examination for Tenderness in Patients with Myofascial Pain, Chronic FM and Controls *E. Tunks, G.A. McCain, L.E. Hart, et al* 944

Treatment of FMS with Super Malic®: A Randomized, Double Blind, Placebo Controlled, Crossover Pilot Study *I.J. Russell, J.E. Michalek, J.D. Flechas, G.E. Abraham* 953

The Provision of Specialist Rheumatology Care: Implications from a Survey of Rheumatologists in Ontario, Canada *G.A. Hawker, E.M. Badley* ... 959

Case Reports

Successful Treatment of Interstitial Lung Disease in SLE with MTX *S.D. Fink, J.M. Kremer* 967

Metastatic Adenocarcinoma Mimicking Unilateral Sacroiliitis *S.M. Humphrey, R.D. Inman* 970

Malignant Joint Effusions Secondary to Solid Tumor Metastasis *R.K. Munn, S.T. Pierce, D. Sloan, J.A. Weeks* 973

Mild Expression of Fibrodysplasia Ossificans Progressiva: A Report of 3 Cases *H.B. Janoff, J.A. Tabas, E.M. Shore, et al* 976

OMERACT II — Outcome Measures in Rheumatoid Arthritis Clinical Trials, Ottawa, Canada, June 30–July 2, 1994

Introduction: OMERACT: State of the "Act" *M. Boers, P.M. Brooks, P. Tugwell* 980

Part 1: Toxicity of Antirheumatic Drugs

The Toxicity of NSAID and Antirheumatic Drugs: An Introduction *P.M. Brooks* 982

Adverse Drug Reactions and Their Measurement in the Rheumatic Diseases *R.O. Day, D.I. Quinn, P.G. Conaghan, S.E. Tett* ... 983

A Critical Appraisal of Toxicity Indexes in Rheumatology *P.M. Peloso, J.G. Wright, C. Bombardier* 989

ARAMIS and Toxicity Measurement *J.F. Fries* ... 995

Workshop Report — Part 1: Toxicity of Antirheumatic Drugs *P.M. Brooks, R.O. Day for the Toxicity Workgroup* 998

Correspondence

Iv Cyclophosphamide Pulses in the Treatment of Pyoderma Gangrenosum Associated with RA *D. Nordstrom* 1000

Reply *Z. Zonana-Nacach, P. Martínez-Osuna* 1000

Can Hydrochlorothiazide Cause Lupus? *M.W. Rich, J.M. Eckman* 1001

Book Reviews

Musculoskeletal Pain, Myofascial Pain Syndrome and the Fibromyalgia Syndrome 1002

Diagnosis of Bone and Joint Disorders, 3rd edition 1002

Notices 1002

VOLUME 22: NO. 6 — JUNE 1995

Editorials

Team Management of Chronic Arthritis *N.M. Lynch, D.E. Caughey* 1005

Premature Senescence and Burden of Life — Lessons from the Rheumatic Diseases *M.B. Urowitz* 1007

A Practical Approach to Avoidance of MTX Toxicity *C.A. Wallace, D.D. Sherry* 1009

Low Dose Corticosteroid Associated Osteoporosis in RA and its Prophylaxis and Treatment: Bones of Contention *J. Dequeker, R. Westhovens* 1013

Articles

The Value of Percentage of CD8+ T Lymphocyte Levels in Distinguishing PMR from Early RA *V.M. Corrigall, A.L. Dolan, G.S. Panayi* 1020

Soluble Class I HLA Antigen in Patients with RA and Their Families *I.M. Adamashvili, J.C. McDonald, P.A. Fraser, E.L. Milford, T.A. Pressly, F.B. Gelder* 1025

HLA-DRB1*0401/0404 Genotype and RA: Increased Association in Men, Young Age at Onset, and Disease Severity *A. MacGregor, W. Ollier, W. Thomson, D. Jawaheer, A. Silman* ... 1032

Functional Impairment and Disability in Early RA — Development over 5 Years *K.B. Eberhardt, E. Fex* 1037

The Relationship of Preexisting Lung Disease to the Development of MTX Pneumonitis in Patients with RA *M.R. Golden, R.S. Katz, R.A. Balk, H.E. Golden* 1043

Progression and Repair in Radiographs of Hands and Forefeet in Early RA *H. Menninger, C. Meixner, W. Söndgen* 1048

Effects of Low Dose Corticosteroids on the Bone Mineral Density of Patients with RA *L.M. Buckley, E.S. Leib, K.S. Cartularo, P.M. Vacek, S.M. Cooper* 1055

Cyclosporin A Increases Somatomedin C IGF-I Levels in Chronic Rheumatic Diseases *G. Ferraccioli, P. Guerra, V. Rizzi, E. Bartoli* 1060

Cardiovascular Mortality in Women with RA *R. Myllykangas-Luosujärvi, K. Aho, H. Kautiainen, H. Isomäki* 1065

Abrogation of Experimental SLE and Primary APS with IVGG *I. Krause, M. Blank, J. Kopolovic, et al* 1068

Active SLE is Associated with Depletion of the Natural Generic Anti-idiotype (Anti-F(ab')$_2$) System *R.C. Williams Jr, C.C. Malone, G.R. Huffman, et al* 1075

Aspirin Modulates IL-3 Production: Additional Explanation for the Preventive Effects of Aspirin in APS *P. Fishman, E. Falach-Vaknin, B. Sredni, P.L. Meroni, C. Rudniki, Y. Shoenfeld* ...1086

Requirement for β_2 Glycoprotein I as Cofactor in the Binding of IgM and IgA aCL *J.G. Hanly, C. Hong, H. James, M. Mansour, J.V. Jones* 1091

Steroid Sparing Activity of Tenidap in Patients with PMR: A Multicenter Double Blind Randomized Placebo Controlled Study *B.H. Littman, D. Bjarnason, G. Bryant, et al* 1097

MTX in Severe AS: An Open Study *M.C.W. Creemers, M.J.A.M. Franssen, L.B.A. van de Putte, F.W.J. Gribnau, P.L.C.M. van Riel* ... 1104
Nailfold Capillary Abnormalities in BD *G. Vaiopoulos, N. Pangratis, M. Samarkos, et al* ... 1108
Bowel Inflammation in Anterior Uveitis and Spondyloarthropathy *A.A. Bañares, J.A. Jover, B. Fernández-Gutiérrez, et al* ... 1112
Association Between Metabolic Factors and Knee OA in Women: The Chingford Study *D.J. Hart, D.V. Doyle, T.D. Spector* ... 1118
The Evaluation of Pain in Patients with Knee OA: The Knee Pain Scale *W.J. Rejeski, W.H. Ettinger Jr, S. Shumaker, et al* ... 1124
NSAID: Effects on Normal and IL-1 Treated Human Articular Chondrocyte Metabolism *In Vitro* *R.L. Smith, G. Kajiyama, N.E. Lane* ... 1130
A Controlled Study on Serum IGF-I and Urinary Excretion of Growth Hormone in FM *S. Jacobsen, K. Main, B. Danneskiold-Samsøe, N.E. Skakkebaek* ... 1138
Team Managed Outpatient Care for Early Onset Chronic Inflammatory Arthritis *E.S. Schned, M.A. Thomas Doyle, S.L. Glickstein, et al* ... 1141

Pediatric Rheumatology

Clinically Significant Gastropathy Associated with NSAID Use in Children with JRA *G.F. Keenan, E.H. Giannini, B.H. Athreya* ... 1149
SS in Childhood *J-M. Anaya, N. Ogawa, N. Talal* ... 1152
Muscle Function in JCA *H. Lindehammar, E. Bäckman* ... 1159
Breast Feeding and the Development of JRA *T. Mason, C.E. Rabinovich, D.D. Fredrickson, et al* ... 1166
Neonatal Onset Multisystem Inflammatory Disease *A. Huttenlocher, I.J. Frieden, H. Emery* 1171

Case Reports

MTX Related B Lymphoproliferative Disease in a Patient with RA. Role of EBV Infection *F. Lioté, E. Pertuiset, B. Cochand-Priollet, et al* . 1174
Vasculitis Complicating GCSF Treatment of Leukopenia and Infection in Felty's Syndrome *Y.D. Farhey, J.H. Herman* ... 1179
BD Induced by IFN Therapy for Chronic Myelogenous Leukemia *F. Segawa, Y. Shimizu, E. Saito, M. Kinoshita* ... 1183

OMERACT II — Outcome Measures in Rheumatoid Arthritis Clinical Trials, Ottawa, Canada, June 30–July 2, 1994

Part 2: Health Status Benefit / Utilities

A Framework to Classify Burden of Illness Measures *S. van der Linden, M. Boers* ... 1185
A Taxonomy of Health Status Instruments *G.H. Guyatt* ... 1188
Evaluating Measurement Responsiveness *M.H. Liang* ... 1191
Comparison of a Generic (SF-36) and a Disease Specific (WOMAC) Instrument in the Measurement of Outcomes After Knee Replacement Surgery *G. Hawker, C. Melfi, J. Paul, R. Green, C. Bombardier* ... 1193
Health Related Utility Measurement: An Introduction *C. Bakker, S. van der Linden* .. 1197
An Interview on Utility Measurement *G. Torrance, B. O'Brien* ... 1200
Workshop Report: Health Status Instruments / Utilities *N. Bellamy, M. Boers, D. Felson, et al* ... 1203

Correspondence

Myelodysplasia and Relapsing Polychondritis *J-C. Piette, T. Papo, P. Chavanon, D. Le Thi Huong, C. Frances, P. Godeau* ... 1208
Reply *J. Karsh* ... 1208
Ontario Patients' Acceptance of Waiting Times for Knee Replacement Surgery *A.S. Russell* ... 1209
Reply *P.C. Coyte, E. Ho, J.G. Wright* ... 1209

Letters

Increased Serum Lipoprotein(a) Levels in SLE with Myocardial and Cerebral Infarctions *S. Kawai, Y. Mizushima, J. Kaburaki* ... 1210
The Benefit of Early Treatment with Immunosuppressive Drugs in Lupus Nephritis *J.M. Esdaile, L. Joseph, T. MacKenzie, M. Kashgarian, J.P. Hayslett* ... 1211
Digital Denervation Associated with Absence of Nail and Distal Interphalangeal Joint Involvement in PsA *D. Mulherin, B. Bresnihan, O. FitzGerald* ... 1211
Achilles Tendinitis as a Severe Clinical Feature of Diffuse Idiopathic Skeletal Hyperostosis *J.C. Gerster* ... 1212
SLE with Breast Gigantism *D.A. Duffy, M.L. Demers, M.R. Molin* ... 1214
Primary APS is not Associated with Activated Protein C Resistance Caused by Factor V Arg 506→Gln Mutation *V. Biousse, J-C. Piette, C. Frances, et al* ... 1215
Notices ... 1215

VOLUME 22: NO. 7 — JULY 1995

Editorials

Measurement of Skin Involvement in Scleroderma *C.M. Black* ... 1217
Gene Therapy and Arthritis *P.J. Doherty* ... 1220

Articles

Lipopolysaccharide Binding Protein as a Marker of Inflammation in SF of Patients with Arthritis: Correlation with IL-6 and CRP *D. Heumann, S. Bas, P. Gallay, et al* ... 1224
High Levels of Antibodies to Annexins V and VI in Patients with RA *T. Dubois, A. Bisagni-Faure, J. Coste, et al* ... 1230
Comparison of Phenytoin with Auranofin and Chloroquine in RA — A Double Blind Study *U.R.K. Rao, M.U.R. Naidu, T.R. Kumar, et al* .. 1235
Percentile Curve Reference Charts of Physical Function: RA Population *M. Lassere, G. Wells, P. Tugwell, J. Edmonds* ... 1241
The Use of SPECT in Neuropsychiatric SLE: A Pilot Study *J.A.J. Kovacs, M.B. Urowitz, D.D. Gladman, R. Zeman* ... 1247
Herpes Zoster in SLE *S. Manzi, L.H. Kuller, J. Kutzer, et al* ... 1254
Mortality Studies in SLE. Results from a Single Center. I. Causes of Death *M. Abu-Shakra, M.B. Urowitz, D.D. Gladman, J. Gough* ... 1259
Mortality Studies in SLE. Results from a Single Center. II. Predictor Variables for Mortality *M. Abu-Shakra, M.B. Urowitz, D.D. Gladman, J. Gough* ... 1265
Variability of Skin Scores and Clinical Measurements in Scleroderma *J.E. Pope, M. Baron, N. Bellamy, et al* ... 1271
Is It Possible to Reduce Observer Variability in Skin Score Assessment of Scleroderma? *A. Silman, M. Harrison, P. Brennan, et al* ... 1277
Inter and Intraobserver Variability of Total Skin Thickness Score (Modified Rodnan TSS) in SSc *P. Clements, P. Lachenbruch, J. Siebold, et al* 1281
Anti-CENP-B Response in Sera of Uranium Miners Exposed to Quartz Dust and Patients with Possible Development of SSc (Scleroderma) *K. Conrad, G. Stahnke, B. Liedvogel, et al* ... 1286
MPA has a Poor Prognosis in Chinese *P.K.T. Li, S.F. Lui, F.M. Lai, A.Y.M. Wang, C.B. Leung, K.N. Lai* ... 1295
Elevated Cancer Incidence in Patients with DM: A Population Based Study *A. Airio, E. Pukkala, H. Isomäki* ... 1300
Problem Elicitation to Assess Patient Priorities in AS and FM *C. Bakker, S. van der Linden, M. van Santen-Hoeufft, P. Bolwijn, A. Hidding* ... 1304
Acute Local Reactions after Intraarticular Hylan for OA of the Knee *M.P.E. Puttick, J.P. Wade, A. Chalmers, D.G. Connell, K.K. Rangno* ... 1311
Effectiveness of Spa Therapy in Chronic Low Back Pain: A Randomized Clinical Trial *F. Constant, J.F. Collin, F. Guillemin, M. Boulangé* ... 1315
Soft Tissue Tuberculosis: A Series of 11 Cases *M.P.E. Puttick, H.B. Stein, R.M.T. Chan, R.K. Elwood, A.R. How, G.D. Reid* ... 1321
Monocyte-Macrophage Antigen Expression on Chondrocytes *K.L. Summers, J.L. O'Donnell, M. Sew Hoy, et al* ... 1326
MNC Subtypes in OA SF. Comparison with MNC Subtypes in RA SF *J.G. Fort, M. Flanigan, J.B. Smith* ... 1335
IL-1 Receptor Antagonist Inhibits Proteoglycan Breakdown in Antigen Induced but not Polycation Induced Arthritis in the Rabbit *E.C. Arner, R.R. Harris, T.M. DiMeo, R.C. Collins, W. Galbraith* ... 1338

Pediatric Rheumatology

Effects of Dietary Modification and Fish Oil Supplementation on Dyslipoproteinemia in Pediatric SLE *N.T. Ilowite, N. Copperman, T. Leicht, T. Kwong, M.S. Jacobson* ... 1347
Clinical and Serological Identification of 2 Forms of Complete Heart Block in Children *O. Hubscher, N. Batista, S. Rivero, et al* ... 1352
Patterns of T Lymphocyte Clonal Expansion in HLA-Typed Patients with JRA *S.D. Thompson, A.A. Grom, S. Bailey, et al* ... 1356
Elevation of Maternal AFP in SLE: A Controlled Study *M. Petri, A.C. Ho, J. Patel, D. Demers, J.M. Joseph, D. Goldman* ... 1365
Polyneuropathy in Juvenile DM *S.A. Vogelgesang, J. Gutierrez, G.L. Klipple, I.M. Katona* ... 1369

Case Reports

Pancytopenia Related Eosinophilia in RA: A Specific MTX Phenomenon? *G.A.W. Bruyn, E. Velthuysen, P. Joosten, P.M. Houtman* ... 1373
Anterior Dissection of Popliteal Cyst Causing Anterior Compartment Syndrome *M. Hammoudeh, A. Rahim Siam, I. Khanjar* 1377
Widespread Cutaneous Necrosis as the Initial Manifestation of the APS *M.L. Abernethy, J.L. McGuinn, J.P. Callen* ... 1380
Scleroderma, PM, and Hairy Cell Leukemia *P. Blanche, C. Bachmeyer, M. Mikdame, F. Dreyfus, D. Sicard* ... 1384
Pericardial Effusion and Vasculitis in a Patient with SSc *M. Abu-Shakra, E.T. Koh, T. Treger, P. Lee* ... 1386
C5 Deficiency in a Patient with Primary SS *T.H.M. Schoonbrood, A. Hannema, C.A.P. Fijen, H.M. Markusse, A.J.G. Swaak* ... 1389

Cyclosporin A in the Treatment of Adult Still's Disease
K. Shojania, A. Chalmers, K.K. Rangno 1391

RP as a Presenting Sign of Ovarian Adenocarcinoma *M. Kohli, R.M. Bennett* 1393

Ossification of the Posterior Longitudinal Ligament, Diffuse, Idiopathic Skeletal Hyperostosis, Abnormal Retinol and Retinol Binding Protein: A Familial Observation
M. De Bandt, O. Meyer, J-M. Fuster, M-F. Kahn 1395

OMERACT II — Outcome Measures in Rheumatoid Arthritis Clinical Trials, Ottawa, Canada, June 30–July 2, 1994

Part 3: Health Economics

Principles of Economic Evaluation for Health Care Programs *B. O'Brien* 1399

Economic Analysis Alongside Clinical Trials: Problems and Potential *M. Drummond* 1403

Assessing the Cost Effectiveness of NSAID: An International Perspective
M. Drummond, M.B. Ferraz, J. Mason 1408

Economic Evaluation Using Mathematical Models: The Case of Misoprostol Prophylaxis
S.E. Gabriel 1412

OMERACT II: The Biologics Perspective
V. Strand 1415

Workshop Report: Economic Analysis Alongside Clinical Trials: Practical Considerations
M. Drummond, B. O'Brien for the Economics Workgroup 1418

Conclusion

Interactive Conference Voting
C.H. Goldsmith, E. Duku, P.M. Brooks, et al ... 1420

OMERACT II Conference — Outcome Measures in RA Clinical Trials: Conclusion
P. Tugwell, M. Boers, P.M. Brooks 1431

OMERACT II: Acknowledgments 1433

Correspondence

How Many Types of Patients Meet Classification Criteria? *A.O. Adebajo, B.L. Hazleman* 1434

Additional Comment *S.H. Roth* 1435

Reply *T. Pincus, L.F. Callahan* 1435

Cartilage Destruction via the SF in RA
W. Mohr 1436

Reply *J.P. Larbre, A. Moore, D.A. Willoughby* .. 1438

The Role of Antiphospholipid Antibodies in Coronary Artery Disease in Juvenile SLE
F. Falcini, M. Ermini, G. Taccetti 1438

Reply *J. De Inocencia, D.J. Lovell* 1439

Accelerated Nodulosis, Pleural Effusion, and Pericardial Tamponade during MTX Therapy
M.D. Smith 1439

Reply *M.B. Urowitz* 1439

Plasma TM as a Marker of Vascular Damage in SSc *P. Mercié* 1440

Reply *Y. Soma, K. Takehara* 1441

Purulent Abscess after Bacillus Calmette-Guerin Therapy for Bladder Cancer
K. Konrad, K. Földes 1441

Reply *G.E. Price* 1441

Letters

Guidelines for Testing Slow Acting Drugs in Arthritis — Addendum *M. Lequesne, K. Brandt, N. Bellamy, R. Moskowitz, C.J. Menkes, J-P. Pelletier, R. Altman* 1442

MTX Benefits in Patients with Lupus with and without Nephritis *G.F. Ferraccioli, S. De Vita, E. Bartoli* 1442

Pheochromocytoma and Pseudovasculitis
G.J. McColl, K. Fraser 1442

Notices 1443

VOLUME 22: NO. 8 **AUGUST 1995**

Editorials

Classification Criteria for Childhood Arthritic Diseases *M.C. Hochberg* 1445

Neurogenic Influences in Arthritis: Potential Modification by Capsaicin *M. Matucci Cerinic, G. McCarthy, A. Lombardi, A. Pignone, G. Partsch* 1447

Articles

HLA-DRB1 Genotyping in Patients with RA in Taiwan *J-H. Yen, J-R. Chen, W-J. Tsai, J-J. Tsai, H-W. Liu* 1450

Sex Hormone Status and BMD in Men with RA
L. Mateo, J.M. Nolla, M.R. Bonnin, M.A. Navarro, D. Roig-Escofet 1455

^{99m}Tc Labelled Polyclonal Human IgG Scintigraphy Before and 26 Weeks After Initiation of Parenteral Gold Treatment in Patients with RA
M.H.W. De Bois, M-L. Westedt, J.W. Arndt, et al 1461

Is It Possible to Predict the First Year Extent of Pain and Disability for Patients with RA?
A. van der Heide, J.W.G. Jacobs, H.C.M. Haanen, J.W.J. Bijlsma 1466

Trends in Hospitalizations for GI Bleeding Among Patients with RA in Rochester, MN, 1950–1991 *E.L. Matteson, V. Yachyshyn, J. Yachyshyn, W.M. O'Fallon* 1471

Risk of Malignancy in Women with SLE
D.M. Sweeney, S. Manzi, J. Janosky, et al 1478

Reduced Muscle Uptake of Oxygen During Exercise in Patients with SLE *M. Sakauchi, T. Matsumura, T. Yamaoka, et al* 1483

IL-2R Expression in Salivary Glands of Patients with SS *J. Coll, S. Tomás, R. Vilella, J. Corominas* 1488

Deflazacort versus Methylprednisolone in PMR: Clinical Equivalence and Relative Antiinflammatory Potency of Different Treatment Regimens
O. Di Munno, B. Imbimbo, M. Mazzantini, S. Milani, G. Occhipinti, G. Pasero 1492

Prevalence of PsA in Italian Psoriatic Patients
C. Salvarani, G. Lo Scocco, P. Macchioni, et al ... 1499

D-Lactic Acid in SF. A Rapid Diagnostic Test for Bacterial Synovitis *J. Gratacós, J. Vila, F. Moyá, et al* 1504

Patterns of Joint Involvement in OA of the Hand: The Chingford Study *P. Egger, C. Cooper, D.J. Hart, D.V. Doyle, D. Coggon, T.D. Spector* 1509

Characterization of an Additional Articular Cartilage Vesicle Fraction that Generates CPPD Crystals *In Vitro* *B. Derfus, M. Steinberg, N. Mandel, M. Buday, L. Daft, L. Ryan* 1514

IL-1 Reversibly Inhibits the Synthesis of Biglycan and Decorin in Intact Articular Cartilage in Culture *H. Von den Hoff, M. de Koning, J. van Kampen, J. van der Korst* 1520

Hydroxychloroquine in the Treatment of Erosive OA *L.R. Bryant, K.F. Des Rosier, M.T. Carpenter* 1527

Interobserver Agreement on Iliac Crest Pain Syndrome in General Practice *K.H. Njoo, E. van der Does, H.J. Stam* 1532

Patient Utilities in FM and the Association with Other Outcome Measures *C. Bakker, M. Rutten, M. van Santen-Hoeufft, et al* 1536

^{31}P NMR Spectroscopy and EMG During Exercise and Recovery in Patients with FM
P. Vestergaard-Poulsen, C. Thomsen, J. Nørregaard, P. Bülow, T. Sinkjaer, O. Henriksen 1544

Pain Coping Mechanisms in FM: Relationship to Pain and Functional Outcomes
P.M. Nicassio, K. Schoenfeld-Smith, V. Radojevic, C. Schuman 1552

A Grip Ability Test for Use in Rheumatology Practice *B. Dellhag, A. Bjelle* 1559

Pediatric Rheumatology

Proposal for the Development of Classification Criteria for Idiopathic Arthritides of Childhood
C. Fink and the Task Force for Classification Criteria 1566

Influence of Food on the Bioavailability of Oral MTX in Children *L.L. Dupuis, G. Koren, E.D. Silverman, R.M. Laxer* 1570

Frequency of Relapse after Discontinuation of MTX Therapy for Clinical Remission in JRA
A. Ravelli, S. Viola, B. Ramenghi, L. Aramini, N. Ruperto, A. Martini 1574

Elevated Serum Prolactin Levels in Children with Juvenile RA and ANA Seropositivity
R.W. McMurray, S.H. Allen, P. Hickman Pepmueller, D. Keisler, J.T. Cassidy 1577

Elevated Circulating IL-7 Levels in Patients with Systemic JRA *F. De Benedetti, M. Massa, P. Pignatti, M. Kelley, C.R. Faltynek, A. Martini* 1581

Case Reports

Catastrophic APS with Fatal Acute Course in RA
L. Voisin, G. Derumeaux, J.Y. Borg, et al 1586

Primary APS Evolving into SLE *F. Mujic, M.J. Cuadrado, M. Lloyd, M.A. Khamashta, G. Page, G.R.V. Hughes* 1589

Progressive Multifocal Leukoencephalopathy Complicating Treatment for WG
L.B. Morgenstern, C.A. Pardo 1593

Charles Bonnet Syndrome in TA
M. Sonnenblick, R. Nesher, Y. Rozenman, G. Nesher 1596

Canadian Rheumatology Association Meeting

Mont Tremblant, Canada, March 1–4, 1995

I. Podium Presentations 1598

II. Posters 1600

Correspondence

The Beneficial Effect of the Estrogen Antagonist Tamoxifen on Experimental SLE
S. Thylan 1606

Reply *Z. Sthoeger, E. Mozes* 1607

Sex Ratio in AS *W.H. James* 1607

Reply *I. Machtey* 1607

Septic Arthritis due to *M. marinum*
S. Patel, O. Duke, C. Harland 1608

Reply *M. Harth* 1608

A New Scoring System for the Bath Ankylosing Spondylitis Metrology Index (BASMI)
S.D. Jones, J. Porter, S.L. Garrett, L.G. Kennedy, H. Whitelock, A. Calin 1609

Notices 1609

VOLUME 22: NO. 9 — SEPTEMBER 1995

Editorials

What is the Source of the Most Clinically Useful Data Concerning Treatment of RA: Clinical Trials, Clinical Observations, or Clinical Protocols? *T. Pincus, C.M. Stein* 1611

An Evidence Based Appraisal of the Management of Nontophaceous Interval Gout *M.B. Ferraz* 1618

Should Patients with Interval Gout Be Treated with Urate Lowering Drugs? *A.G. Fam* 1621

Articles

Role of Vascular Endothelial Growth Factor in Angiogenesis of RA *M. Nagashima, S. Yoshino, T. Ishiwata, G. Asano* 1624

Treatment of Rheumatoid Joint Inflammation with Intrasynovial Triamcinolone Hexacetonide *D.J. McCarty, J.G. Harman, J.L. Grassanovich, C. Qian* 1631

Combination Drug Therapy of Seropositive RA *D.J. McCarty, J.G. Harman, J.L. Grassanovich, C. Qian, J.P. Klein* 1636

A Preliminary Evaluation of Hydroxyurea for the Treatment of RA *L.S. Ehrlich, K. Thalji, K. Whitman, D.A. Albert* 1646

Treatment of RA with Platelet Activating Factor Antagonist BN 50730 *P. Hilliquin, P. Guinot, V. Chermat-Izard, X. Puechal, C-J. Menkes* 1651

The Second Course of Gold *A.V. Klinkhoff, A. Teufel* 1655

How Low Can You Go? Use of Very Low Dosage of Gold in Patients with Mucocutaneous Reactions *A.V. Klinkhoff, A. Teufel* 1657

A Longterm Prospective Study of the Equipotency Between Deflazacort and Prednisolone in the Treatment of Patients with PMR *M.R. Krogsgaard, B. Lund, B. Johnsson* 1660

Divergent Racial Trends in Mortality from SLE *S.J. Walsh, C. Algert, D.I. Gregorio, S.T. Reisine, N.F. Rothfield* 1663

Autoantibodies in SLE and Urticarial Vasculitis *D.P. D'Cruz, J.J. Wisnieski, R.A. Asherson, M.A. Khamashta, G.R.V. Hughes* 1669

Local Cytokine Expression in the Progression Toward B Cell Malignancy in SS *S. De Vita, R. Dolcetti, G.F. Ferraccioli, et al* 1674

Quantification of Antiribosomal P0 Protein Antibodies by ELISA with Recombinant P0 Fusion Protein and their Association with CNS Disease in SLE *T. Yoshio, J-I. Masuyama, M. Ikeda, et al* 1681

Antibodies to Fibrin Bound Tissue Type Plasminogen Activator in SSc *M.J. Fritzler, D.A. Hart, D. Wilson, et al* 1688

A Longitudinal Study of aCL Antibody in PMR and GCA *K. Chakravarty, G. Pountain, P. Merry, M. Byron, B. Hazleman, D.G.I. Scott* 1694

Synergistic Cytotoxic Effect of IFN-γ and TNF-α on Cultured Human Muscle Cells *A.E. Kalovidouris, Z. Plotkin* 1698

Total Hip Arthroplasty in Patients with AS: Longterm Followup *L-Y. Shih, T-H. Chen, W-H. Lo, D-J. Yang* 1704

Poststreptococcal ReA, Clinical Course, and Outcome in 6 Adult Patients *S. Gutiérrez-Ureña, J. Molina, J.F. Molina, C.O. García, M.L. Cuéllar, L.R. Espinoza* 1710

Effects of Continuous Passive Motion and Immobilization on Synovitis and Cartilage Degradation in Antigen Induced Arthritis *H.K.W. Kim, R.G. Kerr, T.F. Cruz, R.B. Salter* ... 1714

Complications of Office Based Arthroscopy of the Knee *P. Szachnowski, N. Wei, W.J. Arnold, L.M. Cohen* 1722

Tenidap and Flurbiprofen Enhance Uptake of MMP Inhibitor 4-Dedimethylaminotetracycline in Inflamed Joints of Adjuvant Arthritic Rats *M.K. Leung, R.A. Greenwald, N.S. Ramamurthy, et al* 1726

Effects of SF Hyaluronan Concentration and Molecular Size on Clearance of Protein from the Canine Knee *S.L. Myers, K.D. Brandt* 1732

IL-4, an Inhibitor of Cartilage Breakdown in Bovine Articular Cartilage Explants *L-A. Yeh, A.J. Augustine, P. Lee, L.R. Riviere, A. Sheldon* 1740

OA in Rhesus Macaque Knee Joint: Quantitative MRI Tissue Characterization of Articular Cartilage *H.K. Gahunia, C. Lemaire, P.S. Babyn, A.R. Cross, M.J. Kessler, K.P.H. Pritzker* 1747

The Treatment of OA of the Knee with Pulsed Electrical Stimulation *T.M. Zizic, K.C. Hoffman, P.A. Holt, et al* 1757

An Assessment of the Needs of Family Physicians for a Rheumatology Continuing Medical Educational Program: Results of a Pilot Project *P. Davis, M. Suarez-Almazor* 1762

Case Reports

Fatal Pulmonary Fibrosis Complicating Low Dose MTX Therapy for RA *M.J. van der Veen, J.J. Dekker, H.J. Dinant, R.M. van Soesbergen, J.W.J. Bijlsma* 1766

Intravascular Malignant Lymphoma ("Malignant Angioendotheliomatosis") Mimicking Primary Angiitis of the CNS *C.W. Sienknecht, W.O. Whetsell Jr, P. Pollock* 1769

Cauda Equina Compression by Epidural Lipomatosis in Obesity. Effectiveness of Weight Reduction *J. Pouchot, C. Si-Hassen, R. Damade, M-C. Bayeux, A. Mathieu, P. Vinceneux* 1771

Emphysematous Septic Arthritis: Case Report and Review of the Literature *R. Roy, D. Matei, L.D. Kaufman* 1776

Methods of Scoring Radiographic Changes in Rheumatoid Arthritis, Ratingen, Germany, February 14, 1994

Part 1

Welcome Address *R. Rau* 1779

Preface *L. van de Putte* 1781

Introduction *J.S. Smolen* 1782

The Validity of Radiography as Outcome Measure in RA *M. Boers* 1783

Assessment of Radiographic Abnormalities in RA: What Have We Accomplished and Where Should We Go from Here? *J.T. Sharp* 1787

Radiographic Progression on Radiographs of Hands and Feet During the First 3 Years of RA Measured According to Sharp's Method (van der Heijde Modification) *D.M.F.M. van der Heijde, M.A. van Leeuwen, P.L.C.M. van Riel, L.B.A. van de Putte* 1792

Radiographic Progression in RA: Results of 3 Comparative Trials *P.L.C.M. van Riel, D.M.F.M. van der Heijde, I.H. Nuver-Zwart, L.B.A. van de Putte* 1797

Correspondence

Attempts to Apply Curve Fitting Models to the Analysis of Progression of Radiographic Damage in RA Are Laudable, But Are the Results Believable? *M.J. Plant, P.T. Dawes* 1800

Reply *J.T. Sharp* 1801

Reply *F. Salaffi, G.F. Ferraccioli* 1801

Influenza Vaccination in RA *M.A. Cimmino, B. Seriolo, A. Accardo* 1802

Reply *A. Chalmers* 1803

Successful Treatment of Agranulocytosis and Sepsis with GCSF in a Case of Felty's Syndrome *M. Marfeuille, D. Clerc, X. Mariette* ... 1803

Reply *D.D. Fraser* 1804

Letters

Hydrarthrosis of the Knee or Ankle Revealing Metaphyseal Stress Fractures of the Tibia. A Report of 3 Cases *F. Berenbaum, L. Beraneck, G. Kaplan* 1804

Cold Induced Complement Activation in Hepatitis C Virus Associated Vasculopathy *I. Katayama, K. Kimura, K. Nishioka* 1806

Correction

Classification Criteria for PM and DM *K. Tanimoto, K. Nakano, S. Kano, et al* 1807

Notices 1807

VOLUME 22: NO. 10 — OCTOBER 1995

Editorials

Stem Cell Transplantation in Autoimmune Disease *P.M. Brooks, K. Atkinson, J.A. Hamilton* ...1809

Cyclophosphamide in Lupus Nephritis *A.D. Steinberg, M. Gourley* 1812

Articles

Induction of TNF-α and Proinflammatory Secretory Phospholipase A_2 by Intravenous Administration of CAMPATH-1H in Patients with RA *W. Pruzanski, M.B. Urowitz, B. Grouix, P. Vadas* 1816

Costimulatory Activity of Human Synovial Fibroblasts *R.J. Looney, M. Hooper, D. Pudiak* 1820

Elevation in Anti-*Proteus* Antibodies in Patients with RA from Bermuda and England *H. Subair, H. Tiwana, M. Fielder, et al* 1825

Dysregulation of the Hypothalamo-Pituitary Axis in RA *C. Jorgensen, N. Bressot, C. Bologna, J. Sany* 1829

The Assessment of Functional Status in RA: A Cross Cultural, Longitudinal Comparison of the Health Assessment Questionnaire and the Groningen Activity Restriction Scale *D. Doeglas, B. Krol, F. Guillemin, et al* 1834

Risk Factors for Early Wound Complications After Orthopedic Surgery for RA *A. Escalante, T.D. Beardmore* 1844

Sharing of MHC Haplotypes Among Patients with SLE from Unrelated Caucasian Multicase Families: Disease Association with the Extended Haplotype [HLA-B8,SC01,DR17] *L. Truedsson, G. Sturfelt, P. Johansen, O. Nived, B. Thuresson* 1852

A Study of the MHC in a Caucasian Family with Multiple Cases of SLE: Association with the C4AQ0 Phenotype *K. Steinsson, A. Árnason, K. Erlendsson, et al* 1862

Danazol for SLE with Refractory Autoimmune Thrombocytopenia or Evans' Syndrome *H. Cervera, L.J. Jara, S. Pizarro, et al* 1867

Position 26 of the First Domain of the HLA-DQB1 Allele in Post-Silicone Implant Scleroderma *J.H. Morse, M. Fotino, Y. Zhang, E.R. Flaster, C.L. Peebles, H. Spiera* 1872

Elevated Levels of Platelet Derived Growth Factor and TGF-ß1 in Bronchoalveolar Lavage Fluid from Patients with SSc *A. Ludwicka, T. Ohba, M. Trojanowska, et al* .. 1876

The B7 Cross Reactive Group and Spondyloarthropathies: An Epidemiological Approach *J-P. Cedoz, D. Wendling, J-F. Viel* ... 1884
Prevalence of Antiphospholipid Antibodies in Patients with AS *X. Juanola, L. Mateo, P. Domenech, et al* ... 1891
Antibodies to Phospholipid-Free β_2-Glycoprotein-I in Patients with Primary APS *A.R. Cabral, J. Cabiedes, D. Alarcón-Segovia* ... 1894
Clinical Manifestations of the APS in Patients with SLE Associate More Strongly with Anti-β_2-Glycoprotein-I than with Antiphospholipid Antibodies *J. Cabiedes, A.R. Cabral, D. Alarcón-Segovia* ... 1899
Polyamines Enhance Calcium Pyrophosphate Dihydrate Crystal Dissolution *T. Shinozaki, K.P.H. Pritzker* ... 1907
Early Ultrastructural Changes of Articular Cartilage and Synovial Membrane in Experimental Vitamin A-Induced OA *G. Lapadula, B. Nico, F.P. Cantatore, R. La Canna, L. Roncali, V. Pipitone* ... 1913
Comparison of the Nitric Oxide Synthase Inhibitors Methylarginine and Aminoguanidine as Prophylactic and Therapeutic Agents in Rat Adjuvant Arthritis *M. Stefanovic-Racic, K. Meyers, C. Meschter, J.W. Coffey, R.A. Hoffman, C.H. Evans* ... 1922
Quantitative MRI Predicts Clinical Outcome of Core Decompression for Osteonecrosis of the Femoral Head *A.J. Holman, G.C. Gardner, M.L. Richardson, P.A. Simkin* ... 1929
An International Comparison of the Estimated Effect of the Aging of the Population on the Major Cause of Disablement, Musculoskeletal Disorders *E.M. Badley, M. Crotty* ... 1934
Effects of Antiinflammatory Drugs on the Progression of OA of the Knee *E.C. Huskisson, H. Berry, P. Gishen, R.W. Jubb, J. Whitehead, the LINK Study Group* ... 1941
Fast Food Arthritis — A Clinico-Pathologic Study of Post-*Salmonella* Reactive Arthritis *M.P. Samuel, S.H. Zwillich, G.T.D. Thomson, et al* ... 1947

Pediatric Rheumatology

Bicipital Synovial Cysts in JRA: Clinical Description and Sonographic Correlation *B.J. Bloom, L.B. Tucker, L.C. Miller, R.G.K. McCauley, J.G. Schaller* ... 1953
Temporomandibular Joint and Mandibular Growth Alterations in Patients with JRA *M.V. Ronchezel, M.O.E. Hilário, J. Goldenberg, et al* ... 1956
Reiter's Syndrome Associated with Cryptosporidial Gastroenteritis *R.Q. Cron, D.D. Sherry* ... 1962

Case Reports

Onset of RA After Surgical Treatment of Cushing's Disease *I. Uthman, J-L. Senécal* ... 1964
Response to MTX in a Patient with Idiopathic Eosinophilic Fasciitis, Morphea, IgM Hypergammaglobulinemia, and Renal Involvement *L. Janzen, J.R. Jeffery, J. Gough, I.M. Chalmers* ... 1967
Bursitis of the Iliopsoas: Four Cases with Pain as the Only Clinical Indicator *L. Fortin, R. Bélanger* ... 1971

Methods of Scoring Radiographic Changes in Rheumatoid Arthritis, Ratingen, Germany, February 14, 1994

How to Apply Larsen Score in Evaluating Radiographs of RA in Longterm Studies? *A. Larsen* ... 1974
A Modified Version of Larsen's Scoring Method to Assess Radiologic Changes in RA *R. Rau, G. Herborn* ... 1976
Quantitative Analysis of Hand Radiographs in RA: Time Course of Radiographic Changes, Relation to Joint Examination Measures, and Comparison of Different Scoring Methods *T. Pincus, L.F. Callahan, H.A. Fuchs, A. Larsen, J. Kaye* ... 1983
Problems in Evaluating Radiographic Findings in RA Using Different Methods of Radiographic Scoring: Examples of Difficult Cases and a Study Design to Develop an Improved Scoring Method *S. Wassenberg, R. Rau* ... 1990
How to Evaluate Measuring Methods in the Case of Non-Defined External Validity *A. Rückmann, B. Ehle, H-J. Trampisch* ... 1998
Future Opportunities Using Technical Advantages in Picture Processing and Data Transfer *R.F. Willkens, A.H. Rowberg* ... 2001

Correspondence

Elevated Plasma Stromelysin Levels in Arthritis *N.T. Cheung, D.J. Taylor, P.T. Dawes* ... 2004
Reply *S. Zucker, R.A. Greenwald* ... 2004
OA and Overweight *P.J. Rooney* ... 2006
Reply *F. Silveri* ... 2006
Presence of IgG Antiphospholipid Antibody in Nude Mice *H-M. Cheng, C. Hu* ... 2006
Reply *T. Papo, B. Autran, J-C. Piette* ... 2006
Intraarticular Apatite Crystal Deposition as a Predictor of Erosive OA of the Fingers *J.G. Jones* ... 2007
Reply *J.C. Gerster* ... 2007
Anticardiolipin Antibody Associated with Renal Carcinoma *S.D.H. Malnick, D. Geltner, Z. Sthoeger* ... 2007
Reply *A. Ruffatti, S. Tonetto, S. Todesco* ... 2007
Lower Extremity Hypertrophic Osteoarthropathy Associated with Aortic Graft Infection *A. Al Dalaan, T. Hunter, B. Lentle* ... 2008
Reply *V. Hernandez* ... 2008

Letters

β_2-Glycoprotein-I is a Cofactor for Antibodies Reacting with 5 Anionic Phospholipids *J. Verrier Jones, H. James, M. Mansour, B.J. Eastwood* ... 2009
Achilles and Suprapatellar Tendinitis due to Isotretinoin *I. Hernandez Rodriguez, F. Aliegue* ... 2009
Arthritis and Iritis after Bacillus Calmette-Guérin Therapy *D. Missioux, J. Hermabessiere, B. Sauvezie* ... 2010

Book Reviews

Textbook of Paediatric Rheumatology ... 2010
Treatment of the Rheumatic Diseases ... 2011
Notices ... 2011

VOLUME 22: NO. 11 **NOVEMBER 1995**

Editorials

Indomethacin Hastens Large Joint OA in Humans — How Strong is the Evidence? *M. Doherty, A. Jones* ... 2013
Why the "SAPHO" Syndrome? *M-F. Kahn* ... 2017

Articles

IL-10 Cooperates with IL-4 to Suppress Inflammatory Cytokine Production by Freshly Prepared Adherent Rheumatoid Synovial Cells *E. Sugiyama, A. Kuroda, H. Taki, et al* ... 2020
HLA-DR1, DR4, and DRB1 Disease Related Subtypes in RA. Association with Susceptibility but not Severity in a City Wide Community Based Study *M.E. Suarez-Almazor, S. Tao, F. Moustarah, A.S. Russell, W. Maksymowych* ... 2027
HLA-DPB1 Polymorphism in Patients with RA in Taiwan *J-H. Yen, J-R. Chen, W-J. Tsai, J-J. Tsai, H-W. Liu* ... 2034
Occurrence of Antineutrophil Cytoplasmic and Antineutrophil (Peri)Nuclear Antibodies in RA *X. Bosch, J. Llena, A. Collado, et al* ... 2038
Prevalence of Antikeratin Antibodies in Greek Patients with RA. A Clinical, Serologic, and Immunogenetic Study *K.A. Boki, P. Kurki, H. Holthofer, A.G. Tzioufas, A.A. Drosos, H.M. Moutsopoulos* ... 2046
HTLV-I *tax* Transactivates the IL-6 Gene in Human Rheumatoid Synovial Cells *N. Mori, F. Shirakawa, M. Abe, et al* ... 2049
Herpes Viruses in Multicase Families with RA *M.M. Newkirk, K.N. Watanabe Duffy, A. Paleckova, et al* ... 2055
Absence of an Association of RA and DISH: A Case–Control Study *S. Mata, F. Wolfe, L. Joseph, J.M. Esdaile* ... 2062
Pulse Methylprednisolone in RA: Effects on Peripheral Blood and SF Neutrophil Surface Phenotype *P. Youssef, P. Roberts-Thomson, M. Ahern, M. Smith* ... 2065
The Effects of NSAID on MTX Pharmacokinetics: Impairment of Renal Clearance of MTX at Weekly Maintenance Doses but not at 7.5 mg *J.M. Kremer, R.A. Hamilton* ... 2072
Small Changes in Outpatient Lupus Activity Are Better Detected by Clinical Instruments Than by Laboratory Tests *P.R. Fortin, M. Abrahamowicz, D. Danoff* ... 2078
Efficacy of Bromocriptine in an Open Label Therapeutic Trial for SLE *R.W. McMurray, D. Weidensaul, S.H. Allen, S.E. Walker* ... 2084
Identification of Ro(SSA) 52 kDa Reactive T Cells in Labial Salivary Glands from Patients with SS *T. Namekawa, K. Kuroda, T. Kato, et al* ... 2092
Mortality in SSc: A Comparison with the General Population *M. Abu-Shakra, P. Lee* ... 2100
Arterial Lesions in Behçet's Disease. A Study in 25 Patients *D. Lê Thi Huong, B. Wechsler, T. Papo, et al* ... 2103
Induction of Release of Secretory Nonpancreatic PLA_2 from Human Articular Chondrocytes *W. Pruzanski, E. Bogoch, A. Katz, et al* ... 2114
Frequency of Atlantoaxial Subluxation and Neurologic Involvement in Patients with AS *C. Ramos-Remus, A. Gomez-Vargas, J.L. Guzman-Guzman, et al* ... 2120
Ultraviolet Light and 8-Methoxypsoralen Inhibit Expression of Endothelial Adhesion Molecules *T.J. Laing, B.C. Richardson, M.B. Toth, E.M. Smith, R.M. Marks* ... 2126
The Evolutionary Origins of OA: A Comparative Skeletal Study of Hand Disease in 2 Primates *K.K.T. Lim, J. Rogers, L. Shepstone, P.A. Dieppe* ... 2132
SAPHO Syndrome: A Followup Study of 19 Cases with Special Emphasis on Enthesis Involvement *Y. Maugars, J-M. Berthelot, J-M. Ducloux, A. Prost* ... 2135
NSAID and Cognitive Decline in the Elderly *K.G. Saag, L.M. Rubenstein, E.A. Chrischilles, R.B. Wallace* ... 2142
BMD in a Native Population of Argentina with Low Calcium Intake *A. Spindler, E. Lucero, A. Berman, S. Paz, E. Vega, C. Mautalen* ... 2148
Patients with Type IV Ehlers-Danlos Syndrome May be Predisposed to Atlantoaxial Subluxation *G.J. Halko, R. Cobb, M. Abeles* ... 2152

Pediatric Rheumatology

Hypoparathyroidism Associated with SLE *M. Gazarian, R.M. Laxer, S-W. Kooh, E. D. Silverman* ... 2156

Hormonal Supplementation as Treatment for Cyclical Rashes in Patients with SLE *J.A. Pando, M.F. Gourley, R.L. Wilder, L.J. Crofford* ... 2159

Case Reports

Treatment of Progressive Rheumatoid Interstitial Lung Disease with Cyclosporine *M.P.E. Puttick, A.V. Klinkhoff, A. Chalmers, D.N. Ostrow* ... 2163

Successful Treatment of Pure Red Cell Aplasia in SLE with Erythropoietin *H. Orbach, A. Ben-Yehuda, D. Ben-Yehuda, D. Manor, A. Rubinow, Y. Naparstek* ... 2166

Panniculitis of Pancreatic Disease Masquerading as SLE Panniculitis *J. Feuer, H. Spiera, R.G. Phelps, H. Shim* ... 2170

Systemic and Cerebral Vasculitis Coexisting with Disseminated Coagulopathy in SLE Associated with APS *J.T. Lie, S. Kobayashi, Y. Tokano, H. Hashimoto* ... 2173

Non-Giant Cell Arteritis of the Temporal Artery Presenting as the Polymyalgia Rheumatica-Temporal Arteritis Syndrome *R.S. Lesser, D. Aledort, J.T. Lie* ... 2177

Atypical Osteomalacia After 2 Year Etidronate Intermittent Cyclic Administration in Osteoporosis *T. Thomas, M-H. Lafage, C. Alexandre* ... 2183

Correspondence

Predictive Significance of RF *K. Aho, T. Palosuo, M. Heliövaara* ... 2186
Reply *T. Jónsson, H. Valdimarsson* ... 2186

Psychiatric Disorder and Cognitive Impairment in SLE *E.M. Hay, F. Creed* ... 2187
Reply *T. Olsen Utset, M. Petri* ... 2187

Myositis Following Treatment with High Dose IL-2 for Malignancy *D.R. Finger, P.H. Plotz, G. Heywood* ... 2188
Reply *D.W. Puett* ... 2188

Posttraumatic Reflex Sympathetic Dystrophy and PsA *P. Goupille, J-P. Valat* ... 2188
Reply *W. Conca* ... 2189

Gynecomastia After Low Dose MTX Therapy for RA *E. Thomas, J.L. Leroux, F. Blotman* ... 2189
Reply *D.R. Finger, G.L. Klipple* ... 2189

Letters

SAPHO Syndrome: A New Pulmonary Manifestation? *J.H. Vaile, D.R. Langlands, M.G. Prichard* ... 2190

Is HIV Infection Contraindication to the Use of MTX in PsA? *C. Masson, J.M. Chennebault, C. Leclech* ... 2191

Did the Model for Polyphemus Have Acromegalic Arthritis? *C.W. Denko* ... 2191

An Estimate of the Prevalence of Reactive Systemic Amyloidosis in AS *A. Escalante, W.J. Weaver, T.D. Beardmore* ... 2192

Nontyphoid *Salmonella* Extraintestinal Infections in Patients with SLE *J.M. Ramos, P. García-Corbeira, J.M. Aguado* ... 2193

Mercury Exposure from Dental Amalgam Fillings in the Etiology of Primary FM: A Pilot Study *I. Kötter, H. Dürk, J.G. Saal, A. Kroiher, F. Schweinsberg* ... 2194

Correction ... 2195

Notices ... 2195

VOLUME 22: NO. 12 — DECEMBER 1995

Editorials

Who Will Care for Our Patients? *R.S. Panush, H. Kaplan* ... 2197

Excess Mortality in RA — Is It the Disease or the Drugs? *D. Symmons* ... 2200

Articles

RF Isotypes in Monozygotic and Dizygotic Twins Discordant for RA *A.J. MacGregor, W.E.R. Ollier, J. Venkovsky, R.A. Mageed, D. Carthy, A.J. Silman* ... 2203

Patients with RA Benefit from Early 2nd Line Therapy: 5 Year Followup of a Prospective Double Blind Placebo Controlled Study *C. Egsmose, B. Lund, G. Borg, et al* ... 2208

Death Attributed to Antirheumatic Medication in a Nationwide Series of 1666 Patients with RA Who Have Died *R. Myllykangas-Luosujärvi, K. Aho, H. Isomäki* ... 2214

Life Events, Psychosocial Factors, and Demographic Variables in Early RA: Relations to One-Year Changes in Functional Disability *L.M. Smedstad, T.K. Kvien, T. Moum, P. Vaglum* ... 2218

The Evolution of RP: A Longterm Prospective Study *M. Luggen, L. Belhorn, T. Evans, O. Fitzgerald, G. Spencer-Green* ... 2226

Analytical and Clinical Relationships Between Human IgG Autoantibodies to β_2 Glycoprotein I and aCL *H.S. El-Kadi, L.B. Keil, V.A. DeBari* ... 2233

PDN-21 in Premenopausal Women with SLE Treated with Glucocorticoids *M.A. Navarro, F. Formiga, A. Blanco, M.R. Bonnin, J.M. Nolla, I. Moga* ... 2238

The Presence of Anti-Fc Gamma Receptor Autoantibodies is Related to the Clinical Presentation of Primary SS *A. Lamour, R. Le Corre, Y-L. Pennec, P. Youinou* ... 2241

Skeletal Muscle Pathology in SSc *E.E. Calore, M.J. Cavaliere, N.M. Perez, V. Takayasu, A. Wakamatsu, M.H. Kiss* ... 2246

Major Role for IL-1 but Not for TNF in Early Cartilage Damage in Immune Complex Arthritis in Mice *P.L.E.M. van Lent, F.A.J. van de Loo, A.E.M. Holthuysen, L.A.M. van den Bersselaar, H. Vermeer, W.B. van den Berg* ... 2250

Anti-T Cell Receptor Antibody Treatment of Mice with Lupus-like Graft versus Host Disease: Suppression of Glomerulonephritis without Reduction in Anti-DNA Antibody Levels *T. Maeda, K. Nomoto* ... 2259

The Evolution of Spondyloarthropathies in Relation to Gut Histology. I. Clinical Aspects *H. Mielants, E.M. Veys, M. De Vos, et al* ... 2266

The Evolution of Spondyloarthropathies in Relation to Gut Histology. II. Histological Aspects *H. Mielants, E.M. Veys, C. Cuvelier, et al* ... 2273

The Evolution of Spondyloarthropathies in Relation to Gut Histology. III. Relation Between Gut and Joint *H. Mielants, E.M. Veys, C. Cuvelier, et al* ... 2279

Tissue Inhibitor of Metalloproteinase 1, Collagenolytic and Gelatinolytic Activity in Loose Hip Endoprostheses *M. Takagi, Y.T. Konttinen, P. Kemppinen, et al* ... 2285

The Association of Radiographic Changes of OA of the Hand and Hip in Elderly Women *M.C. Hochberg, N.E. Lane, A.R. Pressman, et al* ... 2291

Naproxen Concentrations in Plasma and SF and Effects on Prostanoid Concentrations *R.O. Day, H. Francis, J. Vial, G. Geisslinger, K.M. Williams* ... 2295

Antineutrophil Cytoplasmic Antibodies in ReA *H. Locht, E. Peen, T. Skogh* ... 2304

Selection of Measures Suitable for Evaluating Change in FM Clinical Trials *J.E. Hewett, S.P. Buckelew, J.C. Johnson, S.E. Shaw, B. Huyser, Y.Z. Fu* ... 2307

A Model to Assess Severity and Impact of FM *D.L. Goldenberg, C.J. Mossey, C.H. Schmid* ... 2313

Interruptions in Rheumatology Subspecialty Care Among Patients with RA *M.M. Ward, R. Rao* ... 2319

AS is Indigenous to Mesoamerica *M. Martínez-Lavín, J. Mansilla, C. Pineda, C. Pijoán* ... 2327

Pediatric Rheumatology

Reliability of the Articular Examination in Children with JRA: Interobserver Agreement and Sources of Disagreement *J. Guzmán, R. Burgos-Vargas, C. Duarte-Salazar, P. Gómez-Mora* ... 2331

Antinuclear Antibodies in Children with Localized Scleroderma *A.M. Rosenberg, Y. Uziel, B.R. Krafchik, et al* ... 2337

Spontaneous Rupture of the Spleen in a Patient with SLE *A. Tolaymat, F. Al-Mousily, A.B. Haafiz, N. Lammert, S. Afshari* ... 2344

Takayasu's Arteritis Presenting with Unilateral Digital Clubbing *A.G. Kaditis, A.M. Nelson, D.J. Driscoll* ... 2346

A Syndrome of Fibrosing Pleuritis, Pericarditis, and Synovitis with Infantile Contractures of Fingers and Toes in 2 Sisters: "Familial Fibrosing Serositis" *U.N. Verma, R. Misra, S. Radhakrisnan, S.C. Maitra, S.S. Agarwal, R.R. Singh* ... 2349

Case Reports

Temporal Association Between the Use of MTX and Development of Leukemia in 2 Patients with RA *L.D. Kerr, K. Troy, L. Isola* ... 2356

Accelerated Nodulosis in a Patient with Psoriasis and Arthritis During Treatment with MTX *B. Berris, J.B. Houpt, J. Tenenbaum* ... 2359

Successful Treatment of SSc with Topical PUVA *A. Morita, S. Sakakibara, N. Sakakibara, R. Yamauchi, T. Tsuji* ... 2361

SS Presenting as Hypokalemic Paralysis due to Distal Renal Tubular Acidosis *O. Zimhony, Z. Sthoeger, D. Ben David, Y. Bar Khayim, D. Geltner* ... 2366

Correspondence

Is MTX Really Effective in Patients with PsA? *P. Goupille, J-P. Valat* ... 2369
Reply *D.D. Gladman* ... 2370

Limitations of Invasive Modalities in the Diagnosis of Primary Angiitis of the CNS *B.M. Rothschild* ... 2370
Reply *L.H. Calabrese, G.F. Duna* ... 2371

Autoantibodies to the Nucleolar Organizer Antigen NOR-90 in Children with Systemic Rheumatic Diseases *T. Bitter* ... 2371
Reply *M. Fritzler* ... 2371

Letters

Retinopathy in Adult DM *A. Chu-Lee, G. Stoller, I.A. Jaffe* ... 2372

Efficacy of Steroid Pulse Therapy in Lupus Cystitis *C. Segawa, T. Wada, H. Yokoyama* ... 2373

Pachydermodactyly a Rare Cause of Finger Joint Swelling *M. Manuela Costa, J.C. Romeu, T. da Costa* ... 2374

Isolated Necrotizing and Granulomatous Vasculitis Causing Ischemic Bowel Disease in Primary SS *J.T. Lie* ... 2375

Absence of Ulnar Styloid Apophysis. A Case Report *A. Palacios-Boix, H. Urbina-Joiro, O. Mutchinik* ... 2377

Book Reviews

Diagnosis and Management of Bone Infections. Infectious Disease and Therapy ... 2377

Bailliere's Clinical Rheumatology. Fibromyalgia and Myofascial Pain Syndrome ... 2378

Color Atlas and Text of Osteoarthritis ... 2378

Notices ... 2378

Reviewer Index ... 2380

Author Index ... 2382

Subject Index ... 2391

Content Index ... 2434